

## SEQUENCE LISTING

## HUMAN HERPESVIRUS 1 (SEQ ID NO:109)

	1	AGCCCCGGGCC	CCCCGCGGGC	GCGCGCGCGC	GCAAAAAAGG	CGGGCGGC	TCCGGGCGGC
5	61	GTGCGCGCGC	GCGGCGGGCG	TGGGGGGCGG	GGCCGCGGGA	GCGGGGGGAG	GAGCGGGGGG
	121	AGGAGCGGGG	GGAGGAGCGG	GGGGAGGAGC	GGGGGGAGGA	GCGGGGGGAG	GAGCGGGGGG
	181	AGGAGCGGGG	GGAGGAGCGG	GGGGAGGAGC	GGGGGGAGGA	GCGGGGGGAG	GAGCGGGGGG
10	241	AGGAGCGGGG	GGAGGAGCGG	GGGGAGGAGC	GGGGGGAGGA	GCGGGGGGAG	GAGCGGGGGG
	301	AGGAGCGGGG	GGAGGAGCGG	CCAGACGCCG	AAAACGGGCC	CCCCCCAAAA	CACACCCCCC
	361	GGGGTTCGCG	CGCGGCCCTT	TAAAGCGGTG	GCGGC	GCCC	CCCGCGGCCG
15	421	AGACTAGCGA	GTTAGACAGG	CAAGCACTAC	TCGCCTCTGC	ACGCACATGC	TTGCCTGTCA
	481	AACTCTACCA	CCCCGGCACG	CTCTCTGTCT	CCATGGCCCG	CCGCGGCCGC	CATCGCGGCC
	541	CCCGCCGCC	CCGGCCGCC	GGGCCCACGG	GCGCCGTCCC	AACCACAG	TCCCAGGTAA
20	601	CCTCCACGCC	CAACTCGGAA	CCCGCGGTCA	GGAGCGCGCC	CGCGGCCCGCC	CCGCCGCCGC
	661	CCCCCGCCGG	TGGGCCCCCG	CCTTCTTGTT	CGCTGCTGCT	GCGCCAGTGG	CTCCACGTT
	721	CCGAGTCCGC	GTCCGACGAC	GACGATGACG	ACGACTGGCC	GGACAGCCCC	CCGCCCGAGC
	781	CGGCGCCAGA	GGCCCGGGCC	ACCGCCGCCG	CCCCCCGGCC	CCGGCCCCCA	CCGCCCGGGC
	841	TGGGCCCCGG	GGGCGGGGGC	GACCCCTCCC	ACCCCCCTC	GCGCCCCCTC	CGCCCTTCCGC
25	901	CGCGCCTCGC	CCTCCGCC	CGCGTCACCG	CGGAGCACCT	GGCGCGCCTG	CGCCTGCGAC
	961	GCGCGGGCGG	GGAGGGGGCG	CCGGAGCCCC	CCGCGACCCCC	CGCGACCCCC	GCGACCCCCG
	1021	CGACCCCCGC	GACCCCCCGC	CGGGTGC	TCTCGCCCCA	CGTCCGGGTG	CGCCACCTGG
	1081	TGGTCTGGGC	CTCGGCC	CGCTTGGCGC	GGCGCGCTC	GTGGGCC	GAGCGGGCCG
	1141	ACCGGGCTCG	GTTCCGGCGC	CGGGTGGCGG	AGGCCGAGG	GGTCATCGGG	CCGTGCCTGG
30	1201	GGCCCGAGGC	CCGTGCC	GCCCTGGCCC	GCGGAGCCGG	CCCAGCGAAC	TCGGTCTAAC
	1261	GTTACACCCG	AGGCGGCC	GGTCTTCCGC	GGAGCTCCC	GGAGCTCCGC	ACCAAGCCGC
	1321	TCTCCGGAGA	GACGATGGCA	GGAGCGCGC	ATATATACGC	TTGGAGCCAG	CCCGCCCTCA
	1381	CAGGGCGGGC	CGCCTCGGGG	GGCGGACTGG	CCAATCGCG	GCCGCCAGCG	CGGGGGGGCC
	1441	CGGCCAACCA	GCGTCCGCC	AGTCTCGGG	GCCCAGCCCA	TTGGCGGGGA	GTTACCGCCC
	1501	AATGGGCGGG	GCCGCC	TCCCGGTATG	GTAATTAAA	ACTTGCAAGA	GGCCTTGTTC
35	1561	CGCTTCCC	TATGGTAATT	AGAAACTCAT	TAATGGCGG	CCCCGGCCG	CCTTCCCGCT
	1621	TCCGGAATT	CCCGCGGCC	TTAATGGCA	ACCCCGGTAT	TCCCGCCTC	CCGCGCCGCG
	1681	CGTAACCACT	CCCCTGGGGT	TCCGGTTAT	GCTAATTGCT	TTTTTGGCGG	AACACACGGC
	1741	CCCTCGCGCA	TTGGCCCGC	GGTCGCTCAA	TGAACCCGCA	TTGGTCCCC	GGGGTTCCGG
	1801	GTATGGTAAT	GAGTTTCTC	GGGAAGGC	GAAGCCCCGG	GGCACCGACG	CAGGCCAAGC
40	1861	CCCTGTTGCG	TCGGCGGGAG	GGGCATGCTA	ATGGGTTCT	TTGGGGGACA	CGGGGTTGGG
	1921	CCCCCAAATC	GGGGCGGGG	CCGTGCA	TAATGATATT	CTTTGGGGG	GCCGGGTTGG
	1981	TCCCCGGGA	GGGGCGGCC	CCGCGGTGGG	CCTGCCTCCC	CTGGGACGCG	CGGCCATTGG
	2041	GGGAATCGTC	ACTGCC	CTTGGGGAG	GGGAAAGCG	TGGGTATAA	GTTAGCCCTG
45	2101	GCCCGACAGT	CTGGTCGCA	TTGCACCTCG	GCACTCGGAG	CGAGACGCG	CAGCCAGGCA
	2161	GACTCGGGCC	GCCCCCTCTC	CGCATCACCA	CAGAACCCCC	GCCTACGTTG	CGACCCCCAG
	2221	GGACCCCTCG	TCCCGCACCC	TCCAGCCGCA	TACGACCCCC	ATGGAGCCCC	GCCCCGGAGC
	2281	GAGTACCCG	CGGCCTGAGG	GGCCGCCCCA	GCGCGAGGTG	AGGGGCCGGG	CGCCATGTCT
	2341	GGGGCGCCAT	ATTGGGGG	GCCATATTGG	GGGGCGCCAT	GTTGGGGGAC	CCCCGACCC
	2401	TACACTGGAA	CCGGCCGCCA	TGTGGGGG	CCCCCACTCA	TACACGGGAG	CCGGGCGCCA
50	2461	TGTTGGGGCG	CCATGTTAGG	GGGCGTGGAA	CCCCGTGACA	CTATATATAC	AGGGACCGGG
	2521	GGGCCCATGT	TAGGGGGTGC	GGAAACCCC	GACCTATAT	ATACAGGGAC	CGGGGTCGCC
	2581	CTGTTGGGG	TCGCCATGTG	ACCCCTGAC	TTTATATATA	CAGACCCCCA	ACACATACAC
	2641	ATGGCCCTT	TGACTCAGAC	GCAGGGCCCG	GGTCGCGCGT	GGGACCCCC	GACTCATACA
	2701	CAGAGACACG	CCCCCACAA	AAACACACAA	GGACCGGGGT	CGCCGTGTTG	GGGGCGTGGT
55	2761	CCCCACTGAC	TCATACCGCAG	GCCCCCTTA	CTCACACGCA	TCTAGGGGG	TGGGGAGGAG
	2821	CCGCCCCGCCA	TATTTGGGG	ACGCCGTGGG	ACCCCGACT	CCGGTGC	TGGAGGGCGG
	2881	GAGAAGAGGG	AAGAAGAGGG	GTGGGGATCC	AAAGGACGGA	CCCAGACCA	CTTTGGTTG
	2941	AGACCCCTT	CTCCCCCTC	TTCCGAGGCC	AGCAGGGGG	CAGGACTTTG	TGAGGGCGGG
	3001	GGGGGAGAGG	GGGAACCTCGT	GGGTGCTGAT	TGACCGGGGA	AATCCCCCCC	CATTCTTAC
	3061	CGCCCCCTT	TTTCCCC	AGCCGCC	GGATGTCTG	GTGTTCCCT	GCGACCGAGA
	3121	CCTGCCGGAC	AGCAGCGACT	CTGAGGCC	GACCGAAGTG	GGGGGGCGGG	GGGACGCCGA
	3181	CCACCATGAC	GACGACTCCG	CCTCGAGGC	GGACAGCACG	GACACGGAAC	TGTCGAGAC

	3241	GGGGCTGCTG	GGGCCGCAGG	GCGTGGATGG	GGGGGCGGTC	TGGGGGGGGA	GCCCCCCCCG
5	3301	CGAGGAAGAC	CCCGGCAGTT	GCGGGGCGC	CCCCCCTCGA	GAGGACGGGG	GGAGCGACGA
	3361	GGGCGACGTG	TGCGCCGTGT	GCACGGATGA	GATCGCGCC	CACCTGCGCT	GCGACACCTT
	3421	CCCGTGCATG	CACCGCTTCT	GCATCCCCTG	CATGAAAACC	TGGATGCAAT	TGCGCAACAC
10	3481	CTGCCCGCTG	TGCAACGCCA	AGCTGGTGTA	CCTGATACTG	GGCGTACGC	CCAGCGGGTC
	3541	GTTCAGCACC	ATCCCGATCG	TGAACGACCC	CCAGACCCGC	ATGGAGGCCG	AGGAGGCCGT
	3601	CAGGGCGGGC	ACGGCCGTGG	ACTTTATCTG	GACGGGCAAT	CAGCGGTTCG	CCCCGCGGTA
	3661	CCTGACCCCTG	GGGGGGCACA	CGGTGAGGGC	CCTGTCGCC	ACCCACCCGG	AGCCCACCAAC
15	3721	GGACGAGGAT	GACGACGACC	TGGACGACGG	TGAGGCGGGG	GGCGGCAAGG	ACCCTGGGGG
	3781	AGGAGGGAGGA	GGAGGGGGGG	GGAGGGAGGA	ATAGGCGGGC	GGCGAGGAA	AGGGCGGGCC
	3841	GGGGAGGGGG	CGTAACCTGA	TCGCGCCCCC	CGTTGTCTCT	TGCAGCAGAC	TACGTACCGC
	3901	CCGCCCCCG	CCGGACGCC	CGCGCCCCCC	CACGCAGAGG	CGCCGCCGCG	CCCCCCGTGA
	3961	CGGGCGGGG	GTCTCACGCA	GCCCCCCCAGC	CGGCCGCGGC	TCGGACAGCG	CCCCCTCTGG
20	4021	CGCCCCATCGG	GCCACACGGC	AGCAGTAACA	CCAACACCAAC	CACCAACAGC	AGCAGCGGGC
	4081	GCGGCTCCCG	CCAGTCGCGA	GCCGCGGCCG	CGCGGGGGGC	GTCTGGCCCC	TCCGGGGGGG
	4141	TTGGGGTTGG	GGTTGGGGTT	TTGAAGCGG	AGGCAGGGCG	GCCGAGGGGC	CGGACCGGGCC
	4201	CCCTTGTCAA	CAGACCCGCC	CCCCTTGCAA	ACAACAGAGA	CCCCATAGTG	ATCAGCGACT
	4261	CCCCCCCCGGC	CTCTCCCCAC	AGGCCCCCCC	CGGCGCCCAT	GCCAGGCTCC	CCCCCCCAGC
	4321	CGGGGCCCCC	CGCGTCCGCG	GCCGCGTCGG	GACCCGCGCG	CCCCCGCGCG	GCCGTGGCCC
25	4381	CGTGCCTGCG	AGCGCCGCC	CCGGGGCCCG	GCCCCCGCGC	CCCAGGCC	GGGGCGGAGC
	4441	CGGCCGCCCG	CCCCGCGGAC	GCGCGCCGTG	TGCCCCAGTC	GCACTCGTCC	CTGGCTCAGG
	4501	CCGCGAACCA	AGAACAGAGT	CTGTGCGGGG	CGCGTGCAC	GGTGGCGCGC	GGCTCGGGGG
	4561	GGCCGGCGT	GGAGGGTGGG	CACGGGCCCT	CCCAGCGCGC	CGCCCCCTCC	GGCGCCGCCC
	4621	CGCTCCCCCTC	CGCGCCCTCT	GTGCAGCAGG	AGGCAGCGGT	GCGTCCGAGG	AAGAGGCGCG
30	4681	GGTCCCCGCA	GGAAAACCCC	TCCCCCAGT	CCACCGTCC	CCCCCTCGCG	CCGGCAGGGG
	4741	CCAAGAGGGC	GGCGACGAC	CCCCCCTCCG	ACTCAGGGCC	GGGGGGGCGC	GGCCAGGGTG
	4801	GGCCCCGGAC	CCCCCTGACG	TCCTCGGCGG	CCTCCCGCTC	TTCTCTCTCT	GCCCTCTCCCT
	4861	CCTCGGCCCC	GACCCCCCGC	GGGGCCGCCT	CTTCCCGCCG	GGGGGCCGCG	TCCCTCCTCCG
	4921	CTTCCGCTC	CTCGGGGGGG	GCGTCGGTG	CCCTGGGAGG	GAGACAAGAG	GAAZACCTCCC
35	4981	TCGGCCCCCG	CGCTGCTCT	GGGCCGCGGG	GGCGAGGAA	GTGTGCCCCG	AAGZACGCGCC
	5041	ACGCGGAGAC	TTCCGGGGCC	GTOCCCAGCGG	GCGGCCTCAC	GCGTACCTG	CCCZATCTCGG
	5101	GGGTCTCTAG	CGTGGTCGCC	CTGTCGCCCT	ACGTGAACAA	GACTATCACG	GGGAGACTGCC
	5161	TGCCCATCCT	GGACATGGAG	ACGGGAAACA	TCGGGGCGTA	CGTGGTCCTG	GTGGACCAGA
	5221	CGGGAAACAT	GGCGACCCCG	CTGCGGGGCCG	CGGTCCCCCG	CTGGAGCCGC	CGCACCCCTGC
40	5281	TCCCCGAGAC	CGCGGGTAAC	CACGTGATGC	CCCCCGAGTA	CCCGACGGCC	CCCCCGTCGG
	5341	AGTGAACAG	CCTCTGGATG	ACCCCCGTGG	GGAACATGCT	TTTCGACCAAG	GGCACCCCTAG
	5401	TGGGCGCCCT	GGACTTCCGC	AGCCTGCGGT	CTCGGCACCC	GTGGTCCGGG	GAGCAGGGGG
	5461	CGTCGACCCG	GGACGAGGG	AAACAATAAG	GGACGGCCCC	CGTGTGTTGTG	GGGAGGGGGG
	5521	GGTCCCCGCG	TGGGTGGTCT	CTGGCGCGC	CCACTACACC	AGCCAATCCG	TGTGGGGAG
45	5581	GGGAAAAGTG	AAAGACACGG	GCACCCACACA	CCAGCGGGTC	TTTGTGTTG	GCCCTAATAAA
	5641	AAAAAAACTC	AGGGGATTTT	TGCTGCTGT	TGGGAAATAA	AGGTTTACTT	TTGTTATCTTT
	5701	TCCCTGTCTG	TGTTGGATGT	ATCGCGGGGA	TGCGTGGGAG	TGGGGGTGCG	TGGGAGTGGGG
	5761	GGTGCCTGGG	AGTGGGGGTG	CGTGGGAGTG	GGGGTGCCTG	GGAGTGGGGG	TGCGTGGGAG
	5821	TGGGGGTGCG	TGGGAGTGGG	GGTGCCTGGG	AGTGGGGGTG	CGTGGGAGTG	GGGGTGCCTG
50	5881	GTTGGGCAGG	CTCTGGTGT	AACCACAGAG	CCGCGCCCG	GGCTGCCTGA	CCACCGATCC
	5941	CCGAAAGCAT	CCTGCCACTG	GCATGGAGCC	AGAACCCACAG	TGGGGTGGGT	GTGGGTGTTA
	6001	AGTTCCGCG	AGCGCCTGCC	CGCCCCGGACT	GACCTGGCCT	CTGGCCGCGCA	CAAAGGGCGG
	6061	GGGGGGTTAA	CTACACTATA	GGGCAACAAA	GGATGGGAGG	GGTGGCGGGG	GGGAGCGGGG
	6121	CGCCAAAAG	GGGGTCGGCC	ACACCACAGA	CGTGGGTGTT	GGGGGGTGGG	GCGAGGGGGT
55	6181	GGGGGGGGGG	GAGACAGAAA	CAGGAACATA	GTTAGAAAAC	AAGAATGCGG	TGCAGCCAGA
	6241	GAATCACAGG	AGACGAGGGG	ATGGGCGTGT	TGGTTACCAA	CCCACACCCA	GGCATGCTCG
	6301	GTGGTATGAA	GGAGGGGGGG	CGGTGCTTCT	TAGAGACCGC	CGGGGGACGT	GGGGTGGTGGT
	6361	TGCAAAGGCA	CGCGCACCCG	CGCGGCCAGG	TGGGCCGGTA	CTCCCATCCCC	CCCTCCCCCG
	6421	ACCCCTCCCA	CCCCCGCGTG	CCAGAGATCA	CCCCGGTCCC	CCGGCACCCG	CCAATCCTCC
	6481	GTATCCTCGC	TTTAGGAACA	ACTTTAGGGG	GGGTACACAC	GCGCCGTGCA	TTTCTTCCA
	6541	CACCCCCCCC	CCCCCGCACT	CCCCCCCCCC	AGGCAGTAAG	ACCCAAAGCAT	AGAGAGGCCAG
	6601	GCACAAAAAC	ACAGGCGGGG	TGGGACACAT	GCCTTCTTGG	AGTACGTGGG	TCATTGGCGT
	6661	GGGGGGTTAC	AGCGACACCG	GGCGACCCCC	TGGCGGTCTT	CCAGCCGGCC	CTTAGATAAG
	6721	GGGGCAGTTG	GTGGTCGGAC	GGGTAAGTAA	CAGAGTCTGA	CTAAGGGTGG	GAGGGGGGGA

	6781	AAAGAACGGG	CTGGTGTGCT	GTAACACGAG	CCCACCCGCG	AGTGGCGTGG	CCGACCTTAG
5	6841	CCTCTGGGGC	GCCCCCTGTC	GTTGGGTCC	CCCCCCTCTA	TTGGGGAGAAA	GCAGGGTGTCT
	6901	AACCTACCTG	GAAACGCCGC	GTCTTGTTG	AACGACACCG	GGGCGCCCTC	GACGAGTGGG
	6961	ATAACGGGGG	AGGAAGGGAG	GGAGGAGGGT	ACTGGGGGTG	AAGAAGGGGG	GGGGGAGAAG
10	7021	CGAGAACAGG	AAAGGCGATG	GAGCCCGGCA	GAACACCGAG	AAAAAAA	CCACAGCGCA
	7081	TGCGCCGGGC	CGTTGTGGGG	CCCCGGGCCG	GGGCCCCCTG	GGTCGCGCGG	GGCCCCGGGC
	7141	CGGGCCGCCA	CGGGGGCCGG	CCGTTGGCGG	TAACCCCGAG	TGTTCATCTC	AGGCCCCGGG
	7201	CGGGGAACCC	GGAAAAGCCT	CCGGGGGGCC	TTTTTCCGCT	CGCGTGCCTG	CGAGCGGGTC
15	7261	CGGACGGGGC	CCGGACCGCC	GCGTCGGGG	GCCCCTCGTC	CCGGGCCGTA	CGCGCCCTTC
	7321	GCCCCGTGAG	GGGACAGAGC	AACGAAACAT	TCCGGCGACG	GAACGAAA	CACCCCAGAC
	7381	GGGTTAAAGA	AACAGAAACC	GCAACCCCCA	CCACCCCCGA	AACGGGGAAA	ACGAAAAAAC
	7441	AGACCAGCGG	CCGGCCGGCG	CTTAGGGGG	GGATGTCGCC	GACGCCCTT	GGCCGCCCG
20	7501	GCTGCAGGGG	GGCCCGGAGA	GCCGCGGCAC	CCGGACGCGC	CCGGAAAGTC	TTTCGCACCA
	7561	CCCGCGATCG	GCACGGCCGC	GCCCCCGCTT	TTATAAAGGC	TGAGATGACG	CAGCAAAAC
	7621	AGGCCACAGC	ACCACGTGGG	TAGGTGATGT	AATTTTATT	TCCTCGTCTG	CGGCCTAAATG
	7681	GATTTCGGGG	CGCGGTGCC	CTGTCGAG	AGCACTAAC	GGATTGATAT	CTCGCGGGCA
	7741	CGCGCGCCCT	TAATGGACCG	GCGCGGGGGC	GGGGGCCGGA	TACCCACACG	GGCGGGGGGG
	7801	GGGTGTGCGC	GGCGTCTGC	TGGCCCGCGG	CCACATAAAC	AATGACTCTG	GGCCTTCTG
	7861	CCTCTGCCGC	TTGTGAGTGC	GCGCGCCGGC	TCTGCGGTGT	CGCGGGCGGC	TGCGCGGGCT
25	7921	GCGGGGGCCG	CCGTGTTCCG	TCTCGGTAGC	CGGCCGGCGG	GTGGACTCGC	GGGGGGCCGG
	7981	AGGGTGGAAG	GCAGGGGGGT	GTAGGATGGG	TATCAGGACT	TCCACTTCCC	GTCCTTCCAT
	8041	CCCCCGTTCC	CCTCGGTTGT	TCCTCGCCTC	CCCCAACACC	CCGCGCGTTT	CCGTTGGGGT
	8101	TGTTATTGTT	GTCGGGATCG	TGCGGGCCGG	GGGTCGCCGG	GGCAGGGGGC	GGGGCGTGGG
	8161	CGGGGGTGCT	CGTCGATCGA	CCGGGCTCAG	TGGGGCGTG	GGGTGGGTGG	GAGAAGGCAGA
30	8221	GGAGACTGGG	GTGGGGGTGT	CGGTGGGTGG	TTGTTTTTG	TGGTTGTTT	TGTGCTGTT
	8281	CCCGTCCCCC	GTCACCCCCC	CCCTCCGTC	CCTCCGTCCC	CCCGTCGCGG	GTGTTGTTG
	8341	TTGTTTATT	CGACATTGGT	TTATTTAAAT	AAACACAGCC	GTTCTGCGTG	TCTGTTCTTG
	8401	CGTGTGGCTG	GGGGCTTATA	TGTGGGGTCC	CGGGGGCGGG	ATGGGGTTA	CGGGCGGGGG
	8461	GCGGCGCGCC	GGACGGGGCG	CTGGAGATAA	CGGCCCCCGG	GAACGGGGG	ACCGGGGCTG
35	8521	GGTATCCCAG	GGTGGGTGGG	TGGCGGGCGG	TGGCCGGGCC	GGGCCGGGGC	GGGCCGGGGCC
	8581	GGGTGGCGG	GGTTTGGAAA	AACGAGGAGG	AGGAGGAGAA	GGCGGGGGGG	GGGGAGACGG
	8641	GGGGAAAGCA	AGGACACGGC	CCGGGGGGTG	GGAGCGCGGG	CCGGGCCGCT	CGTAAGAGCC
	8701	GCGACCCGGC	CGCGGGGGAG	CGTGTGCGCC	GTCGGTCTGC	CGGCCCCCGT	CCCTCCCTTT
	8761	TTTGACCAAC	CAGCGCCCCC	CCCCCCCCCTC	ACCACCATTC	CTACTACCAC	CACCACCAAC
40	8821	ACCACCGACA	CCTCCCGCGC	ACCCCCGCC	ACATCCCCC	CCAACCCGCA	CCACCAAGCAC
	8881	GGGTTGGGGG	TAGCAGGGGA	TCAAAGGGGG	GCAAAGCGGC	GGGGCGGTTC	GGGGGGGGGG
	8941	GGGGGGGGCG	GGAAACCAAG	TAGGCCCGCC	CATCCCGCGC	CCCTCCCGGC	AGCCACGCC
	9001	CCAGCGTCGG	GTGTCACTGG	GAAAGAGCAG	AGGGGAGAGG	GGAGAGGGGG	GGAGAGGGGA
	9061	GAGGGGGGGG	GAGGGGAGAG	GGGGGGAGAG	GGGAGAGGGG	GGGAGAGGGG	AGAGGGGGGG
45	9121	AGAGGGGAGA	GGGGGGGGAGA	GGGGAGAGGG	GGGGAGAGGG	GAGAGGGGGG	GAGAGGGGGAG
	9181	AGGGGGGGAG	AGGGGAGAGG	GGGGAGAGGG	GGGTATATAA	ACCAACGAAA	AGCGCGGGAA
	9241	CGGGGATACG	GGGCTTGTGT	GGCACGACGT	CGTGGTTGTG	TTACTGGGCA	AACACTTGGG
	9301	GACTGTAGGT	TTCTGTGGGT	GCCGACCTA	GGCGCTATGG	GGATTTTGGG	TTGGGTGCGG
	9361	CTTATTGCCG	TTGGGGTTTT	GTGTGTCGGG	GGGGGCTTGC	CTTCAACCGA	ATATGTTATT
	9421	CGGAGTCGGG	TGGCTCGAGA	GGTGGGGGAT	ATATTAAAGG	TGCCTTGTGT	GCCGCTCCCG
	9481	TCTGACGATC	TTGATTGGCG	TTACGAGACC	CCCTCGGCTA	TAAACTATGC	TTTGATAGAC
	9541	GGTATATT	TGCGTTATCA	CTGTCGGCGA	TTGGACACGG	TCTTGTGGGA	TAGGCATGCC
	9601	CAGAAGGCAT	ATTGGGTTAA	CCCCTTTTA	TTTGTGGCGG	TTTTTTGGA	GGACTTGAGT
	9661	TACCCCGCGT	TTCTGCGCAA	CACCCAGGAA	ACAGAAACGC	GCTTGGCCCT	TTATAAAGAG
50	9721	ATACGCCAGG	CGCTGGACAG	TCGCAAGCAG	GCCGCCAGCC	ACACACCTGT	GAAGGCTGGG
	9781	TGTGTGAACT	TTGACTATT	GCGCACCGC	CGCTGTGTAG	GGCGACAGGA	TTTGGGACCT
	9841	ACCAACGGAA	CGTCTGGACG	GACCCCGGTT	CTGCCGCCGG	ACGATGAAGC	GGGCCTGCAG
	9901	CCGAAGCCCC	TCACCAAGGCC	GCCGCCCATC	ATGCCACGT	CGGACCCAC	CCCGCGACGG
	9961	GACGCCGCCA	CAAAAAGCAG	ACGCCGACGA	CCCCACTCCC	GGCGCCTCTA	ACGATGCCTC
55	10021	GACGGAAACC	CGTCCGGGTT	CGGGGGCGGA	ACCGGGCGCC	TGTCGCTCGT	CAGGGCCGGC
	10081	GGCGCTCCCTC	GCCGCCCTAG	AGGCTGGTCC	CGCTGGTGTG	ACGTTTTCT	CGTCCCGCGCC
	10141	CCCCGACCCCT	CCCCATGGATT	TAACAAACGG	GGGGGTGTGCG	CCTGCGGCGA	CCTCGGCGCC
	10201	TCTGGACTGG	ACCACGTTTC	GGCGTGTGTT	TCTGATCGAC	GACGCGTGGC	GGCCCTGTGAT
	10261	GGAGCCTGAG	CTGGCGAAC	CCTTAACCGC	CCACCTCCTG	GCGAATATA	ATCGTCGGTG

	10321	CCAGACCGAA	GAGGTGCTGC	CGCCGCGGGA	GGATGTG-TTT	TCGTGGACTC	GTTATTGCAC
	10381	CCCCGACGAG	GTGCGCGTGG	TTATCATCGG	CCAGGAC CCA	TATCACCACC	CCGGCCAGGC
5	10441	GCACGGACTT	GGCTTAGCG	TGCGCGCGA	CGTGCCG-CCT	CCCCCGAGTC	TTCGGAATGT
	10501	CTTGGCGGCC	GTCAAGAAC	GTTATCCCAG	GGCACGG-ATG	AGCGGCCACG	GTTGCCTGGA
	10561	AAAGTGGCG	CGGGACGGCG	TCCTGTTACT	AAACACG-ACC	CTGACCGTCA	AGCGCGGGC
	10621	GGCGCGTCC	CACTCTAGAA	TCGGTTGGG	CCGTTTCGTG	GGCGGAGTTA	TCCGCCGGTT
	10681	GGCCGCGCG	CGCCCCGGG	TGGTGT	GCTCTGG-GGC	ACACACGCC	AGAATGCCAT
	10741	CAGGCCGGAC	CCTCGGGTCC	ATTGCGTCCT	CAAGTTTTCG	CACCCGTCGC	CCCTCTCAA
0	10801	GGTCCCGTTC	GGAACCTGCC	AGCATTTCCT	CGTGGC-GAAC	CGATAACCTCG	AGACCCGGTC
	10861	GATTCACCC	ATCGACTGGT	CGGTTTGAAA	GGCATCG-ACG	TCCGGGGTTT	TTGTCGGTGG
	10921	GGGCTTTGG	GTATTTCCG	TGAATAAAAGA	CGGTTAA-TGG	TTAACACCTCT	GGTCTCATAAC
	10981	GGGTCGGTGA	TGTGGGGCGT	CGGGGGAGAG	GGAGTTC-CCT	CTGCGCTTGC	GATTCTAGCC
	11041	TCGTGGGGCT	GGACGTTCCA	CACGCCAAC	CACGAGT-CGG	GGATATCGCC	AGATACGACT
15	11101	CCCGCAGATT	CCATTGGGG	TGCGCTGTG	GCCTCAC-CTG	ACCAACCTT	ACACGGGGC
	11161	CCGGAACGGG	AGGCCACAGC	GCCGCTTT	TCCCCAA-CGC	GCGCGGATGA	CGGCCGCC
	11221	TGTACCGACG	GGCCCTACGT	GACGTTGAT	ACCCGT-TTA	TGGTGTGTC	GATCGACGAA
	11281	TTAGGGCGTC	GCCAGCTCAC	GGACACCATC	CGCAAGG-ACC	TGCGGTTGTC	GCTGCCAAG
	11341	TTTAGCATTG	CGTGCACCAA	GACCTCCTCG	TTTCGGGAA	ACGCCCCGCG	CCACCACAGA
	11401	CGCGGGCGT	TCCAGCGGG	CACGGGGCG	CCGCGCA-GCA	ACAAAAGCCT	CCAGATGTT
20	11461	GTGTTGTGCA	AACGCGCCC	CGCCGCTCGA	GTGCGAG-AGC	AGCTTCGGGT	CGTTATTTCAG
	11521	TCCCGCAAGC	CGCGCAAGTA	TTACACGCGA	TCTTCGG-ACG	GGCggCTCTG	CCCCGCCGTC
	11581	CCCGTGTTCG	TCCACGAGTT	CGTCTCGTCC	GAGCCAATGTC	GCCTCCACCG	AGATAACGTC
	11641	ATGCTGGCT	CGGGGGCGG	GTAACCGCCC	CCCCCCCATG	CCACCCCTCAC	TGCCCCTGCG
	11701	GCGTGT	TTGTAATAAA	TAACACATAA	ATTGGCTGG	TTGTTGTTG	TCTTTAATGG
25	11761	ACCGCCCGCA	AGGGGGGGGG	GGCATTTCAG	TGTCGGGTGA	CGAGCGCGAT	CCGGCCGGGA
	11821	TCCTAGGACC	CCAAAAGTTT	GTCTGCGTAT	TCCAGGGCGG	GGCTCAGTTG	AATCTCCCGC
	11881	AGCACCTCTA	CCAGCAGGTC	CGCGGTGGG	TGGAGAAT-ACT	CGGCCGTCCC	GGGGCAGGGC
	11941	GTTGTGGGG	GTGGAGGCGC	GGC GCCCACC	CGGTGTGCCG	CGCCTGGCGT	CTCCTCTGGG
30	12001	GGCGACCGT	AAATGGTTGC	AGTGATGTAA	ATGGTGT-CCG	CGGTCCAGAC	CACGGTCAA
	12061	ATGCCGGCC	TGGCGCTCCG	GGCGCTTCG	CCGCGCGAGG	AGCTGACCCA	GGAGTCGAAC
	12121	GGATACCGT	ACATATGGGC	GTCCCACCCG	CGTTCGAGCT	TCTGGTTGCT	GTCCCGGCCT
	12181	ATAAAGCGGT	AGGCACAAAA	TTCGGCGCGA	CAGTCGATAAA	TCACCAACAG	CCCAATGGGG
	12241	GTGTGTGGA	TAACAACGCC	TCCGCGCGC	AGGCGGT-CCT	GGCGCTCCCC	GCCCCGTACC
	12301	ATGATCGCG	GGGTGCCGTA	CTCAAAACAA	TGCACCAACT	GCGCGCGTC	GGGCAGTGC
35	12361	CTGGTCAGCG	AGGCCCTGGC	GTGGCATAGG	CTATACGCGA	TGGTGTCTG	TGGATTGGAC
	12421	ATCTCGCGT	GGGTAGTGTAG	TCCCCCGGGC	CGGGTTCGGT	GGAACTGTAA	GGGGACGGCG
	12481	GGTTAATAGA	CAATGACCA	GTTGGATCG	CGCAGAGCCG	ATAGTATGTG	CTCACTAATG
	12541	ACGTCATCGC	GCTCGTGGG	CTCCCGGAGC	GGATTTAAAGT	TCATGCGAAG	GAATTGGAG
	12601	GAGGTGGTGC	GGGACATGGC	CACGTACGCG	CTGTTGAGGC	GCAGGTTGCC	GGGCGTAAAG
40	12661	CAGATGGCGA	CCTTGTCCAG	GCTAAGGCC	TGGGAGCGCG	TGATGGTCAT	GGCAAGCTTG
	12721	GAGCTGATGC	CGTAGTCGGC	GTTTATGGCC	ATGGCCAGCT	CCGTAGAGTC	AATGGACTCG
	12781	ACAAACTCGC	TGATGTTGGT	GTTGACGACG	GACATGAAAGC	CGTGTGGTC	CCGCAAGACC
	12841	ACGTAAGGCA	GGGGGGCCTC	TTCCAGTAAC	TCGGCCACGT	TGGCCGTGCG	GTGCCGCC
	12901	CGCAGCTCGT	CCGCAAAGGC	AAACACCCGT	CGTACCGTGT	ATCCCATGAG	CGTATAATTG
45	12961	TCCGTCTGCA	GGGCGACGGA	CATCAGCCCC	CCGCGCCGGCG	AGCCGGTCAG	CATCTCGCAG
	13021	CCCCGGAAGA	TAACGTTGTC	CACGTACGTG	CTAAAGGGGG	CGACTTCAAA	TGCCCTCCCCG
	13081	AAGAGCTCTT	GGAGGATTG	GAATCTCCC	AGGAAGGCC	GCTTCAGCAG	CGAAACTGG
	13141	GTGTGAAACGG	CGGCGGTGGT	CTCCGGTTCC	CCGGGGGTGT	AGTGGCAGTA	AAACACGTCG
	13201	AGCTGTTGTT	CGTCCAGCCC	CGCGAAAATA	ACGTGAGGGT	CGTCGTCGGG	AAAATCGTCC
50	13261	GGGCCCCCGT	CCC CGCGGCC	CAGTTGCTTA	AAATCAAAAG	CACGCTCGCC	GGGGCGCCT
	13321	GCGTCGGCCA	TTACCGACG	CTGCGTCGG	ACCCCCCGAAG	ATTGGGGGG	CAGAGACAGA
	13381	ATCTCCGCCG	TTAGTTCTCC	CATGCGGGCG	TAGGCGAGGG	TCCTCTGGGT	CGCATCCAGG
	13441	CCC GGCGCT	GCAGAAAGTT	GTAAAAGGAG	ATAAGCCCGC	TAAATATGAG	CCGCGACAGG
	13501	AACCTGTAGG	CAAACCTCAC	CGAAGTCTCC	CCCTGAGTCT	TTACAAAGCT	GTCGTCACGC
55	13561	AACACTGCCT	CGAAGGCCG	GAACGTCCC	CTAAACCCAA	AAACCAGTT	TCGCAAGGCC
	13621	GCGGTACCG	CGATCTGGCT	GTTGAGGACG	TAAGTGAGCGT	CGTTGCGGGC	CACGACCGAGC
	13681	TGCTGTTG	TGTGCACCTC	GCAGCGCATG	TGCCCCCGCGT	CCTGGTCCTG	GCTCTGCGAG
	13741	TAGTTGGTGA	TGCGGCTGGC	GTTGGCCGTG	AGCCAC-TTTT	CAATCGTCAG	GCCGGGCTGG
	13801	TGTGTAGCC	GTCGGTATT	GTCAAACCTCC	TTGACCGACA	CGAACGTAAG	CACGGGAGG

	13861	GTGAACACGA	CGAACTCCCC	CTCACGGGTC	ACCTTCAGGT	AGGCGTGGAG	CTTGGCCATG
	13921	TACGCGCTCA	CCTCTTTGTG	GGAGGGAGAAC	AGCCGCGTCC	AGCCGGGGAG	GTTGGCGGGG
	13981	TTGGTGATGT	AGTTTTCCGG	GACGACGAAG	CGATCCACGA	ACTGCATGTG	CTCCTCGGTG
5	14041	ATGGGCAGGC	CGTACTCCAG	CACCTTCATG	AGGTTACCGA	ACTCGTGCTC	GACGCACCCT
	14101	TTGTTGTTAA	TAAAAATGGC	CCAGCTATAAC	GAGAGGCGGG	CGTACTCGCG	CAGCGTGCAG
	14161	TTGCAGATGA	GGTACGTGAG	CACGTTCTCG	CTCTGGCGGA	CGGAACACCG	CAGTTTCTGG
	14221	TGCTCGAAGG	TCGACTCCAG	GGACGCCGTC	TGCGTCGGCG	AGCCCACACA	CACCAACACG
	14281	GGCCGCAGGC	GGGCCGCGTA	CTGGGGGGTG	TGGTACAGGG	CGTTAATCAT	CCACCAAGCAA
	14341	TACACCACGG	CCGTGAGGGAG	GTGACGCCA	AGGAGCCCGG	CCTCGTCGAT	GACGATCACG
10	14401	TTGCTCGGGG	TAAAGGCCGG	CAGCGCCCCG	TGGGTGGCCG	GGGCAACCCG	CGTCAGGGCG
	14461	CCCTCGGCCA	ACCCCCAGGGT	CCGTTCCAGG	GCGGCCAGGG	CGCGAAACTC	GTTCCGCAAC
	14521	TCCTCGCCCC	CGGAGGGCGGC	CAGGGCGCAG	TTCGTGAGGT	CCAAAATCAC	CTCCCAGTAG
	14581	TACGTCAGAT	CTCGTCGCTG	CAGGTCTCC	AGCGAGGCGG	GGTTGCTGGT	CAGGGTGTAC
	14641	GGGTACTGTC	CCAGTTGGGC	CTGGACGTGA	TTCCCGCGAA	ACCCAAATTG	ATGAAAGATG
15	14701	GTGTTGATGG	GTGCGCTGAG	AAAGGCGCCC	GAGAGTTGG	CGTACATGTT	TTGGGCCGCA
	14761	ATGCGCGTGG	CGCCCGTCAC	CACACAGTCC	AAGACCTCGT	TGATTGTCCTG	CACGCACGTG
	14821	CTCTTCCGG	AGCCAGCGTT	GCCGGTGATA	AGATAACACCG	CGAACGGAAA	CTCCCTGAGG
	14881	GGCAGGCCTG	CGGGGGACTC	TAAGGCCGCC	ACGTCCCGA	ACCACTGCAG	ATGGGGCACT
	14941	TGCGCTCCGT	CGAGCTGTTG	TTGCGAGAGC	TCTCGGATGC	GCTTAAGGAT	TGGCTGCACC
20	15001	CCGTGCATAG	ACGTAAAATT	AAAAAAGGCC	TCGGCCCTCC	CTGGAACGGC	TGGTCGGTCC
	15061	CCGGGTTGCT	GAAGGTGCGG	CGGGCCGGGT	TTCTGTCCGT	CTAGCTGGCG	CTCCCCGCGG
	15121	GCCGCGGCCA	TGACCGCACC	ACGCTCGCGG	GCCCCCACTA	CGCGTGCAGCG	GGGGGACACG
	15181	GAAGCGCTGT	GCTCCCCCGA	GGACGGCTGG	GTAAAGGTTG	ACCCCAGCCC	CGGTACGATG
	15241	CTGTTCCGCG	AGATTCTCCA	CGGGCAGCTG	GGGTATACCG	AGGGCCAGGG	GGTGTACAAC
25	15301	GTGTCGGGT	CCAGCGAGGC	GACCACCCGG	CAGCTGCAGG	CGCGGATCTT	TCACCGCCTC
	15361	CTCAACGCCA	CCACTTACCG	GGACCTCGAG	GCGGACTGGC	TCGGCCACGT	GGCGGCCCGC
	15421	GGTCTGCAGC	CCCAACGGCT	GGTCTGCCGG	TACAGGAACG	CCCGGGGAGGC	GGATATCGCC
	15481	GGGGTGGCCG	AGCGGGGTGTT	CGACACGTGG	CGGAACACGC	TTAGGACGAC	GCTGCTGGAC
	15541	TTTGCCACG	GGTTGGTCGC	CTGCTTGTG	CCGGGCGGCC	CGAGCGGCC	GTCAAGCTTC
30	15601	CCCAAATATA	TCGACTGGCT	GACGTGCCTG	GGGCTGGTCC	CCATATTACG	CAAGCGACAA
	15661	GAAGGGGGTG	TGACGCAGGG	TCTGAGGGCG	TTTCTCAAGC	AGCACCCGCT	GACCCGCCAG
	15721	CTGGCCACGG	TCGCGGAGGC	CGCGGAGCGC	GCCGGCCCCG	GGTTTTTTGA	GCTGGCGCTG
	15781	GCCTTCGACT	CCACGCGCGT	GGCGGACTAC	GACCGCGTGT	ATATCTACTA	CAACCACCGC
	15841	GGGGGCGACT	GGCTCGTGC	AGACCCCCATC	AGCGGGCAGC	GGGGAGAATG	TCTGGTGTGCTG
35	15901	TGGCCCCCCT	TGTGGACCGG	GGACCGTCTG	GTCTTCGATT	CGCCCGTCCA	GCGGCTGTTT
	15961	CCCGAGATCG	TCGCGTGTCA	CTCCCTCCGG	GAACACGCGC	ACGTCTGCCG	GCTGCGCAAT
	16021	ACCGCGTCG	TCAAGGTGCT	GCTGGGGCGC	AAGAGCGACA	GCGAGCGCGG	GGTGGCCGGT
	16081	GCGCGCGGG	TCGTTAACAA	GGTGTGGGG	GAGGACGACG	AGACCAAGGC	CGGGTCGGCC
	16141	GCCTCGCGCC	TCGTGCGCT	TATCATCAAC	ATGAAGGGCA	TGCGCCACGT	AGGGACACATT
40	16201	AACGACACCG	TGCGTTCTA	CCTCGACGAG	GCCGGGGGGC	ACCTGATAGA	CGCCCCGGCC
	16261	GTGACGGTA	CCCTCCCTGG	ATTGGCAAG	GGCGGAAACA	GCCGCGGGTC	TGCGGGCCAG
	16321	GACCAGGGGG	GGCGGGCGCC	GCAGCTTCGC	CAGGCCCTCC	GCACGGCCGT	GGTTAACAAAC
	16381	ATCAACGGCG	TGTTGGAGGG	CTATATAAT	AACCTGTTG	GAACCATCGA	GCGCTGCGC
	16441	GAGACCAACG	CGGGCCTGGC	GACCCAATTG	CAGGAGCGCG	ACCGCGAGCT	CGGGCGCGCA
45	16501	ACAGCGGGGG	CCCTGGAGCG	CCAGCAGCGC	GCGGCCGACC	TGGCGGCCGA	GTCCGTGACC
	16561	GGTGGATGCG	GCAGCCGCC	TGCGGGGGCG	GACCTGCTCC	GGGCGGACTA	TGACATTATC
	16621	GACGTCAAGCA	AGTCCATGGA	CGACGACACG	TACGTCGCCA	ACAGCTTCA	GCACCCGTAC
	16681	ATCCCTTCGT	ACGCCAGGA	CCTGGAGCGC	CTGTCGCC	TCTGGGAGCA	CGAGCTGGTG
	16741	CGCTGTTTTA	AAATTCTGTG	TCACCGCAAC	AACCAGGGCC	AAGAGACGTC	GATCTCGTAC
50	16801	TCCAGCGGGG	CGATCGCCG	ATTGTCGCC	CCCTACTTTG	AGTCAGTGCT	TCGGGCCCCC
	16861	CGGGTAGGCG	CGCCCACATC	GGGCTCCGAT	GTCATCCTGG	GGGAGGAGGA	GTTATGGGAT
	16921	GCGGTGTGTTA	AGAAAACCCG	CCTGCAAACG	TACCTGACAG	ACATCGCGC	CCTGTTGCGT
	16981	GCGGACGTCC	AGCACCGCAGC	GCTGCCCGCG	CCCCCTCCCG	CGGTGGCGGC	CGATTTCGGG
	17041	CCCAGCGCGT	CCCCCGGGGG	CCGGTCCAGA	TCGCGGCC	CCGGAAGAAC	TGCGCGAGGC
55	17101	GCGCCGGGAC	AGGGCGGGGG	CATCGGGCAC	CGGGATGGCC	GCGCGACGG	CCGACGATGA
	17161	GGGGTGCAGGC	GCCACCATCC	TCAAGCAGGC	CATCGCCGGG	GACCGCAGCC	TGGTCGAGGC
	17221	GGCCGAGGCG	ATTAGCCAGC	AGACGCTGCT	CCGCCTGGCC	TGCGAGGTTG	GCCAGGTCGG
	17281	CGACCCGCCAG	CCGCGGTTTA	CCGCCACCAAG	CATCGCGCAG	GTCGACGTCG	CGCCTGGGTG
	17341	CCGGTTGCGG	TTCGTTCTGG	ACGGGAGTCC	CGAGGACGCC	TATGTGACGT	CGGAGGATTA

	17401	CTTTAAGCGC	TGCTGCGGCC	AGTCCAGTTA	TCGC GGCTTC	GCGGTGGCGG	TCCTGACGGC
	17461	CAACGAGGAC	CACGTGCACA	GCCTGGCCGT	GCCCCCCCCTC	GTTCTGCTGC	ACCGGTTCTC
5	17521	CCTGTTCAAC	CCCAGGGACC	TCCTGGACTT	TGAGCTTGCC	TGTCTGCTGA	TGTACCTGGA
	17581	GAACTGCCCG	CGAACGCCACG	CCACCCCGTC	GACCTTGCC	AAGGTTCTGG	CGTGGCTCGG
	17641	GGTCGCGGGT	CGCCGCACGT	CCCCATTGCA	ACGC GTT CGC	TGCCTTTCC	TCCGCAGTTG
	17701	CCACTGGGTC	CTAAACACAC	TCATGTTCAT	GGTGTACGTA	AAACCGTTCG	ACGACGAGTT
	17761	CGTCCTGCC	CACTGGTACA	TGGCCCGGT	CCTGCTGGCC	AACAACCCGC	CCCCCGTTCT
	17821	CTCGGCCCTG	TTCTGTGCCA	CCCCGACGAG	CTCCTCATTC	CGGCTGCCGG	GGCCGCC
10	17881	CCGCTCCGAC	TGCGTGGCCT	ATAACCCCGC	CGGGATCATG	GGGAGCTGCT	GGGCGTCGA
	17941	GGAGGTGCGC	GCGCCTCTGG	TCTATTGGTG	GCTTTCGGAG	ACCCCAAAC	GACAGACGTC
	18001	GTCGCTGTTT	TATCAGTTTT	GTTGAATT	AGGAAATAAA	CCCGGTTTG	TTTCTGTGGC
	18061	CTCCCACGG	ATGCGCGTGT	CCTTACTCCG	TCTTGGTGGG	TGGGTGGCTG	TGTATGGCGT
	18121	CCCATCTGTG	CGGGGAGGGG	GGCAAGTCGG	CACGTATTG	GACAGACTCA	AGCACACACG
15	18181	GGGGAGCGCT	CTTGTCTCAG	GGCAATGTTT	TTATTGGTCA	AACTCAGGCA	AACAGAAACG
	18241	ACATCTTGTG	GTCAAAGGG	TACACAAACT	TCCCCCCCCTC	GCCCCATACT	CCCGCCAGCA
	18301	CCCCGGTAAA	CACCAACTCA	ATCTCGCGCA	GGATTCGCG	CAGGTGATGA	GCGCAGTCCA
	18361	CGGGGGGGAG	CACAAGGGG	CGCGGGTATA	GATCGACGGG	GACGCCGACC	GACTCCCCGC
	18421	CTCCGGGACA	GACACGCCACG	ACGCGCCGCG	AGTAGTGCTC	TGCGTCCAGC	AAGGCGCCGC
	18481	CGCGGAAGGC	AGTGGGGGGC	AAGGGTCGC	TGGCCTCAA	GGGGGACACC	CGAACGCTCC
20	18541	AGTACTCCGC	GTCCAACC	TTATTAAACG	CGTCCAAGAT	AAGGCGGTG	CAGGCGTCCT
	18601	CCATAAGGCC	CCGGGCCGTG	AGTGCCTCCT	CCTCCGGCAC	GCATGCCGTT	GTCAGGCCA
	18661	GGACCCGTG	CAGCGTGTG	CGTACGACCC	CTGCCCCCGT	GGTGTACGCG	GGCCCGCGGA
	18721	GAGGAAATCC	CCCAAGATGG	TCAGTGTGTT	CGCGGGAGTT	CCAGAACAC	ACTCCGCCT
	18781	GGCTCCAGGC	GA	CTGCGTGTG	GTGTAGACGC	CCTCGAGGGC	CAGGCACAGT
25	18841	GCCGGACGGC	GTTGGCCCTA	AGCACGGCTC	CCACGGCCGT	CTCGATGGCC	CGCCGGCGT
	18901	CCTCGATCAC	CCCAGGAAGCC	GCATCCGCGT	CTTGGGGGTC	CACGTTAAAG	ACACCCAGA
	18961	ACGCACCC	ATCGCCCCCG	CAGACCGCGA	ACTTCACCGA	GCTGGCCGTC	TCCTCGATCT
	19021	GCAGGCAGAC	GGCGGCCATT	ACCCCCACCCA	GGAGCTGCCG	CAGCGCAGGG	CAGGCCTTGC
	19081	ACGTGTCCGG	GACCAGGC	TCCAAGACGG	CCCCGGCCCA	GGGCTCTGAG	GGAGCGGCCA
30	19141	CCACCAGCGC	GTCCAGTCTT	GCTAGGCCG	TCCGGCCGTG	GGGGTCCGCC	AGCCCGCTCC
	19201	CCCCGAGGTC	GGCCAGGGC	GCOAGGAGCT	GGGCGCGAAG	TCCGGGGAAAG	AAAACCGCG
	19261	CCGTCCAGAC	GGGCCCCACG	GCCGCGGGCG	GGTCTAACAG	TTGGATGATT	TTAGTGGCGG
	19321	GATGCCACCG	CGCCACCGCC	TCCCGCACCG	CGGGCAGGAG	GCATCCGGCT	CCCGCCGAGG
	19381	CCACGCCGGG	CCAGGCTCGC	GGGGGGAGGA	CGACCCCTGGC	CCCCACCGCG	GGCCAGGCC
35	19441	CCAGGAGCGC	GGCGTAAGCG	GGCCGCGGCC	CGCGCACCAG	GTCCCCTGCG	GACTCGGCCG
	19501	TGGCCGGCAC	GGTGAACGTG	GGCCAACCCCG	GAAACCCAG	GACGGCAAAG	TACGGGACGG
	19561	GTCCCCCCCCG	GACCTAAAC	TCGGGCCCCA	GAAAGGCAA	GACGGGGGCC	AGGGCCCCCG
	19621	GGGCGGCGT	GACCGTGGTA	TGCCACTGCC	GGAAAAGGGC	GACGAGCGCC	GGCGCGGAGA
	19681	ACTTCTGCGC	GGCGCTTACA	AAGTAGTCGT	AATCGGGGG	CAGCAGCACC	CGTCCCGTGA
40	19741	CTCGTTGCGG	GTGCCCGCGT	GGCCGCAGGC	CCACCTCGCA	CACCTCGACC	AGGTCCCCGA
	19801	ACGCGCCCTC	CTTCTTGATC	GGCGGAAACCG	CAAGAGTCTG	GTATTGCGC	GCAAATAGCG
	19861	CGGTTCCGGT	GGTGATGTTA	ACGGTCAGCG	AAGCGCGGGA	CGCGCACTGG	GGGGTGTGCGC
	19921	GAATGGCCGC	CAGGCGGCC	CACGCCAGCC	GCGCGTGGG	ATGCTCGGCA	ACGCGCGCCG
	19981	CCAGGGCCAT	AGGGTCGATG	TCAATGTTGG	CCTCCCGCAG	CAGGAGAGCG	GCGCGAGGGG
45	20041	CGGCGGGCGG	GCCCCACGAC	GCTCTCTAA	CTTCAACAC	CAGTCCCGTG	CGTGGGTCCG
	20101	AGCCGATACG	CAGCGGGCG	AAACAGGGCA	CCGGCCCGGT	CTGGCGCTCC	AGGGCCGCCA
	20161	GGACGCACGC	GTACAGCGCC	CGCCACAGAG	TCGGGTTCTC	CAGGGGCTCC	AGCGGGGAGG
	20221	CGGCCGGCGT	CGTCGCGCG	CGGGCGGCC	CCACGACGGC	CTGGGACGGAG	ACGTCCCGCG
	20281	AGCCGTAGAA	ATCCCACG	TCCGTCGCG	TGACGGAGAC	CTCCGCAAAG	CGCGCGCGAC
50	20341	CCTCCCCCTGC	GGCGTTGCGA	CATACAAAAT	ACACCAGGGC	GTGGAAGTAC	TCGCGAGCGC
	20401	GGGGGGGCAG	CCATACCGCG	TAAAGGGTAA	TGGCGCTGAC	GCTCTCCCTCC	ACCCACACGA
	20461	TATCTGCGGT	GTCCATCGCA	CGGCCCCCTAA	GGATCACGGG	CGGTCTGTGG	GTCCCCTGCT
	20521	GCCGTGCGCTG	GGCGGGGCCG	GTGGGTCGCG	GAAACCGGTG	ACGGGGGGGG	GGCGGTTTT
	20581	GGGGTTGGGG	TGGGGTGGG	AAACGGCCCG	GGTCCGGGG	CCAACCTGGC	CCCTCGGTGC
55	20641	GTTCCGGCAA	CAGCGCCGCC	GGTCCCGCGGA	CGACCACGTA	CCGAACGAGT	GCGGTCCCGA
	20701	GACTTATAGG	GTGCTAAAGT	TCACCGCCCC	CTGCATCATG	GGCCAGGCC	CGGTGGGGAG
	20761	CTCCGACAGC	GCCGCCTCCA	GGATGATGTC	AGCGTTGGGG	TTGGCGCTGG	ATGAGTGCCT
	20821	GCGCAAACAG	CGCCCCCACG	CGGGCACGCG	TAGCTGAAG	CGCGCGCCCG	CAAACCTCCCG
	20881	CTTGTGGGCC	ATAAGCAGGG	CGTACAGCTG	CCTGTGGTC	CGGCAGGCC	TGTGGTCGAT

	20941	GTGGTGGGCG	TCCAACAACC	CCACGATTGT	CTGTTGGTG	AGGTTTTAA	CGCGCCCCGC
	21001	CCCGGGAAAC	GTCTCGTGC	TTTTGGCCAT	CTGCACGCCA	AACAGTCGC	CCCAGATTAT
	21061	CTTGAACAGC	GCCACCGCGT	GGTCCGTCTC	GCTAACGGAC	CCGCGCGGGG	GACAGCGCT
5	21121	TAGGGCGTCG	GCGACCGCGT	TGACGGCTTC	CTCCGAGAGC	AGAAGTCGGT	CGGTTACGTT
	21181	ACAGTGGCCC	AGTCGAACA	CCAGCTGCAT	GTAGCGGTG	TAGTGGGGG	TCAGTAGGTC
	21241	CAGCACGTCA	TCGGGGCCGA	AGGTCCCTCCC	AGATCCCCG	CCCGCCGAGT	CCCAATGCAG
	21301	GCGCGCGGCC	ATGGTGCTGC	ACAGGCACAA	CAGCTCCAG	ACGGGGGTTA	CGTTCAGGGT
	21361	GGGGGGCAGG	GCCACGAGCT	CCAGCTCTCC	GGTGACGTTG	ATCGTGGGGA	TGACGCCGT
10	21421	GGCGTAGTGG	TCATAGATCC	GCCGAAATAT	GGCGCTGCTG	CGGGTGGCCA	TGGGAACGCG
	21481	GAGACAGGCC	TCCAGCAACG	CCAGGTAAT	AAACCGCGT	CGTCCCACATCA	GGCTGTTGAG
	21541	GTTGCGCATG	AGCGCGACAA	TTTCCGCCGG	CGCGACATCG	GACCGGAGGT	ATTTTTCGAC
	21601	GAAAAGACCC	ACCTCCTCCG	TCTCGGCCGG	CTGGGCCGGC	AGCGACGCCT	CGGGATCCCG
	21661	GCACCCGAGC	TCCCCTAGAT	CGCGCTGGGC	CCTGAGGGCG	TCGAAATGTA	CGCCCCGCAA
15	21721	AAACAGACAG	AAGTCCTTG	GGGTCAGGGT	ATCGTCGTGT	CCCCAGAACG	GCACGCGTAT
	21781	GCAGTTTAGG	GTCAGCAGCA	TGTGAAGGAT	GTAAAGGCTG	TCCGAGAGAC	ACGCCAGCGT
	21841	GCATCTCTCA	AAGTAGTGT	TGTAACGGAA	TTTGTGTTAG	ATGCGCGACC	CCCGCCCCAG
	21901	CGACGTGTCG	CATGCCGACG	CGTCACAGCG	CCCCTTGAAC	CGGCGACACA	GCAGGTTTGT
	21961	GACCTGGGAG	AACTGCGCGG	GCCACTGGCC	GCAGGAACGT	ACCACGTGAT	TAAGGAGCAT
20	22021	GGGCCCTAAAG	ACGGGCTCCG	AGCGCGCCCC	GGAGCCGTCC	ATGTAAATCA	GTAGCTCCCC
	22081	CTTGCGGAGG	GTGCGCACCC	GTCCCAGGGG	CTGGTACACG	GACACCATGT	CCGGTCCGTA
	22141	GTTCATGGGT	TTCACTGAGG	CGAACATGCC	ATCAAAGTGC	AGGGGATCGA	AGCTGAGGCC
	22201	CACGGTTACG	ACCGTCGTGT	ATATAACCAC	GCGGTATTGG	CCCCACGTGG	TCACGTCCCC
	22261	GAGGGGGGTG	AGCGAGTGA	GCAACAGCAC	GCGGTCCGTA	AACTGACGGC	AGAACCGGGC
25	22321	CACGATCTCC	GCGAAGGAGA	CCGTCGACGA	AAAAATGCAG	ATGTTATCGC	CCCCGCCAAG
	22381	GCGCCCTTCC	AGCTCCCCAA	AGAACGTGGC	CCCCCGGGCC	TCCGGAGAGG	CGTCCGGAGA
	22441	CGGGCCGCTC	GGCGGCCCGG	GCGGGCGCAG	GGCAGCCTGC	AGGAGCTCGG	TCCCCAGACG
	22501	CGGGAGAAC	AGGCACCGGGC	GCGCCGAAAA	CCCGGGCATG	GCGTACTCGC	CGACCACCC
	22561	ATGCACGTTT	TTTCGCCCC	GGAGACCGCA	CAGGAAGTCC	ACCAACTGCG	CGTGGCGGT
30	22621	TGCGTCCATG	GCGATGATCC	GAGGACAGAT	GCGCAGCAGG	CGTAGCATT	ACGCATCCAC
	22681	GCGGCCCACT	TGCTGCATCG	TTGGCGAATA	GAGCTGGCCC	AGCGTCGACA	TAACCTCGTC
	22741	CAGAACGAGG	ACGTCGTAGT	TGTTCAGAAG	GTTGGGGCCC	ACGCGATGAA	GGCTTTCCAC
	22801	CTGGACGATA	AGTCGGTGG	AGGGGCGGGTC	GTTCATATAATG	TAATTGGTGG	ATGAGAAGTA
	22861	GGTGACAAAG	TCGACCAGGC	CTGACTCAGC	GAACCGCGTC	GCTAGGGTCT	GGGTAAGACT
35	22921	CCGACGACAG	GAGACGACGA	GCACACTCGT	GTCCGGAGAG	TGGATCGOTT	CCCGCAGCCA
	22981	GCGGATCAGC	GCGGTAGTTT	TTCCCGACCC	CATTGGCGCG	CGGACCAACAG	TCACGCACCT
	23041	GGCCGTGGG	GCGCTCGCGT	TGGGGAGGT	GACGGGTCCG	TGCTGCTGCC	GCTCGATCGT
	23101	TGTTTCGGG	TGAACCCGGG	GCACCCATT	GGCCAAATCC	CCCCCGTACA	ACATCCGCGC
	23161	TAGCGATACG	CTCGACGTGT	ACTGTTCGCA	CTCGTCGTCC	CCAATGGGAC	GCCCCGGCCCC
40	23221	CAGAGGATCT	CCCGACTCCG	CGCCCCCCCAC	GAAAGGCATG	ACCGGGGGCG	GGACGGCGTG
	23281	GTGGGTCTGG	TGTGTGCA	TGGCGACGTT	TGTGGTCTCT	CGGGTCTGCC	TCACGGGGCT
	23341	CCTCGTCTG	GCCTCTGTGT	TCCGGGCACG	TTTTCCTG	TTTTACGCCA	CGGCGAGCTC
	23401	TTATGCCGGG	GTGAACCTCA	CGGCCGAGGT	GCGCGGGGGT	GTAGCCGTG	CCCTCAGGTT
	23461	GGACACGAG	AGCCTTGTGG	GCACCTATGT	AATCACGGCC	GTGTTGTTGT	TGGCCGTGGC
45	23521	CGTGTATGCC	GTGGTCGGCG	CCGTGACCTC	CCGCTACGAC	CGCGCCCTGG	ACGGGGGCCG
	23581	CCGCTCTGGCT	GCGGCCCGCA	TGGCCATGCC	GCACGCCACG	CTGATCGCCG	GAAACGTCTG
	23641	CTCTTGGTTG	CTGCAGATCA	CCGTCTGTGTT	GCTGGCCCAT	CGCATCAGCC	AGCTGGCCCA
	23701	CCTGGTTTAC	CTCCTGCACT	TTGCGTGTCT	GGTGTATT	GGGGCCCAT	TTTGCACCA
	23761	GGGGGGCTG	AGCGGGACGT	ATCTGCGTCA	GGTGCACGGC	CTGATGGGAGC	TGGCCCCGAC
50	23821	CCATCATCGC	GTCGTCGGCC	CGGCTCGCG	CGTGTGACA	AACGCCCTGC	TGTTGGCGT
	23881	CTTCCCTGTG	ACGGCCGACG	CCGCGGTATC	CCTGAATACC	ATCGCCCGT	TCAACTTTAA
	23941	TTTTTCGGCC	CGGGGCATGC	TCACTGCGCT	GACCGTGCTG	TTCGCCATTC	TCGTCGTATC
	24001	GCTGTTGTTG	GTGGTCGAGG	GGGTGTTG	TCACTACGTG	CGCGTGTGTTG	TGGGCCCCCA
	24061	CCTGGGGGCC	GTGGCCGCCA	CGGGCATCGT	CGGCCCTGGCC	TGCGAGCAGT	ATTACACCA
55	24121	CGGCTACTAC	GTTGTGGAGA	CGCAGTGGCC	GGGGGCTCAG	ACGGGAGTCC	ACGCGATCTC
	24181	CGCCCTGGTC	GCCGCCTTTG	CCCTCGGCAT	GGCCGTGCTC	CGCTGCACCC	CGCCCTATCT
	24241	GTATCACAGG	CGGCACCAACA	CCAAATTTT	TATGCGCATG	CGCGACACGC	GACACCGCGC
	24301	ACATTCCGCC	CTCAAGCGCG	TACGCACTTC	CATGCGCGGA	TGCGAGACG	GCCGCCACAG
	24361	GCCCCCACCC	GGCAGCCCGC	CCGGGATTCC	CGAATATGCG	GAAGACCCCT	ACGCGATCTC
	24421	ATACGGCGGC	CAGCTCGACC	GGTACGGAGA	TTCCGACGGGG	GAGCCGATT	ACGACGAGGT

	24481	GGCGGACGAC	CAAACCAGC	TATTGTACGC	CAAGATACAA	CACCCGCGGC	ACCTGCCCGA
	24541	CGACGATCCC	ATCTATGACA	CCGTTGGGGG	GTACGACCCC	GAGCCCGCCG	AGGACCCCCGT
	24601	GTACAGCACC	GTCCGCCGT	GGTAGCTGTT	TGGTCCGTT	TTAATAAAC	GTGGTGTGTT
	24661	AACCCGACCG	TGGTGTATGT	CTGGTGTGTT	GCGTCCGATC	CCGTTACTAT	CACCGTCCCC
5	24721	CCCCCCCCCT	CAACCCCGGC	GATTGTGGGT	TTTTAAAAAA	CGACACCGCT	GCGACCGTAT
	24781	ACAGAACATT	GTGGTGGTT	TTATTGCTA	TCGGACATGG	GGGGTGGAAA	CTGGGTGGCG
	24841	GGGCAGGC	CTCCGGGGGT	CCGCCGGTGA	GTGTGGCGC	AGGGGGGGTC	CGATGAACGC
	24901	AGGCCTGTC	TCCCCGGGGC	CCCGCTAAC	CCGCGCATAT	CCGGGGGCAC	GTAGAAATT
10	24961	CCTTCCTCTT	CGGACTCGAT	ATCCACGACG	TCAAAGTCGT	GGCGGGTCAG	CGAGACGACC
	25021	TCCCCGTCGT	CGGTGATGAG	GACGTTGTTT	CGGCAGCAGC	AGGGCCGGGC	CCCAGGAGAAC
	25081	GAGAGGCCA	TAGCTCGCG	AGCGTGTGCGT	CGAATGCCAG	GGGGCTGCTT	CGCTGGATGG
	25141	CCTTATAGAT	CTCCGGATCG	ATGCGGACGG	GGGTAATGAT	CAGGGCGATC	GGAACGGCCT
	25201	GGTTCGGGAG	AATGGACGCC	TTGCTGGGT	CTGCGGCC	GAGAGCCCCG	GCGCCGTCCT
	25261	CCAGGGCGAA	CGTTACGCC	TCCTCCGCG	TGGTGGGTG	CCTGCGATA	AACGTCACCA
15	25321	GATGCGGTG	GGGGGGGCAG	TCGGGGAAGT	GGCTGTCGAG	CACGTAGCCC	TGCACCAAGA
	25381	TCTGCTTAAA	GTTCGGGTGA	CGGGGGGTTCG	CGAAGACGGG	CTCGCGGCCG	ACCAGATCCC
	25441	CGGAGCTCCA	GGACACGGGG	GAGATGGTGT	GGCGTCCGAG	GTGGGGGGCG	CCAAACAGAA
	25501	GCACCTCCGA	GACAACGCCG	CTATTTAACT	CCACCAAGGC	CCGATCCGCG	GCGGAGCACC
	25561	GCCTTTTTC	GCCCCGAGCG	TGGGCCTCTG	ACCAGGCCTG	GTCTTGCCTG	ACGAGAGCCT
20	25621	CCTCCGGGCC	GGGGACGCC	CCGGGCGCGA	AGTATCGCAC	GCTGGGCTTC	GGGATCGACC
	25681	GGATAAAATGC	CCGGAACGCC	TCCGGGGACC	GGTGTGCCAT	CAAGTCCTCG	TACGCGGAGG
	25741	CCGTGGGGTC	GCTGGGGTCC	ATGGGGTCGA	AAGCGTACTT	GGCCCGGGCAT	TTGACCTCGT
	25801	AAAAGGCCAG	GGGGGTCTTG	GGGACTGGGG	CCAGGTAGCC	GTGAATGTCC	CGAGGACAGA
	25861	CGAGAATATC	CAGGGACGCC	CCGACCATCC	CCGTGTGACC	GTCCATGAGG	ACCCACACAG
25	25921	TATGACGTT	CTCTTCGGCG	AGGTGCCTGG	GTTCGTGGAA	GATAAAGCGC	CGCGTGTGCG
	25981	CGCCGGCTC	GCGGCCGTCG	TCCGCGCGC	CCACGCACTA	GCGAAACAGC	AGGCTTCGGG
	26041	CCGTCGGCTC	GTTCACCCGC	CCGAACATCA	CCGCGGAAGA	CTGTACATCC	GGCCGCAGGC
	26101	TGGCGTTGTC	CTTCAGGCC	TGGGGCGAGA	AACACGGACC	CTGGGGGCC	CAGCGGAGGG
	26161	TGGATGCGGT	CGTGAGGCC	CGCCGGAGCA	GGGCCCCATAG	CTGGCAGTCG	GCCTGGTTT
30	26221	GCGTGGCCGC	CTCGTAAAC	CCCATGAGGG	GCCGGGGCGC	CACGGCGTCC	GCGGCGGCCG
	26281	GGGGCCCGCG	GCGCGTCAGG	CGCCATAGGT	GCCGACCGAG	TCCGCGGTCC	ACCATACCCG
	26341	CCTCCTCGAG	GACCACGCC	AGGGAACACA	GATAATCCAG	GCGGGCCOAG	AGGGGACCGA
	26401	TGGCCAGAGG	GGCGCGGACG	CCGCGCAGCA	ACCCGGCGAG	GTGGCGCTCG	AACGTCCTCG
	26461	CTAGTATATG	GGAGGGCAGC	CGCGTTGGGG	TCACCGACGC	CGACCCACATA	GAGTCAAGGT
35	26521	CCGGGGAGTC	GGGATCGCG	TCCGGGTGCG	GGCGTGGGT	GCCCCCAGGA	GATAGCGGAA
	26581	TGTCTGGGT	CGGAGGCC	GAGGCGTCAG	AAAGTGCAGG	CGACGCGGCC	CGGGGCTTT
	26641	CGTCTGCGGT	GTCGGTGGCG	TGCTGATCAC	GTGGGGGGTT	ACCGGGCGAA	TGGGAGCTCG
	26701	GGTCCACAGC	TGATGTGTC	TGGGGTGGGG	GGGGCAGGGG	ACGGAAGGTG	GTTGTCAGCG
	26761	GAAGACTGTT	AGGGCGGGGG	CGCTTGGGGG	GGCTGTCGGG	GCCACGAGGG	GTGTCTCGG
40	26821	CCAGGGCCA	GGGACGCTTA	GTCACGGTGC	GTCCCCGGCG	ACATGCTGGG	CCTACCGTGG
	26881	ACTCCATTTC	CGAGACGACG	TGGGGGGAGC	GGTGGTTGAG	CGCGCGCCG	GGTGAACGCT
	26941	GATTCTCACG	ACAGCGCTG	CCGCGCGC	GGGTTGGTGT	GACACAGGCG	GGACACCAGC
	27001	ACCAGGAGAG	GCTTAAGCTC	GGGAGGCAGC	GCCACCGACG	ACAGTATCGC	CTTGTGTG
	27061	TGCTGGTAAT	TTATACACCG	ATCCGTAAC	GCGCGCCGAA	TCTTGGGATT	GCGGAGGTGG
45	27121	CGCCGGATGC	CCTCTGGAC	GTCATACGCG	AGGCCGTGGG	TGTTGGTCTC	GGCCGAGTTG
	27181	ACAAACAGGG	CTGGGTGCG	CACCGAGCGA	TAGGCGAGCA	GGGCCAGGGC	GAAGTCCGGC
	27241	GACAGCTGGT	TGTTAAAATA	CTGGTAACCG	GGAAACCGGG	TCACGGGTAC	GCCCAGGCTC
	27301	GGGGCGACGT	ACACGCTAAC	CACCAACTCC	AGCAGCGTCT	GGCCCAGGGC	GTACAGGTCA
	27361	ACCGCTAAC	CGACGCTGT	CTTCAGGCC	TGGTTGGTAA	ATTCGGCC	TTCGTTGTTA
50	27421	AGGTATTTC	CCAACAGCTC	CGGGGGCTGG	TTATACCCGT	GACCCACCA	GGTGTGAAAG
	27481	TTGGCTGTGG	TTAGGGCGGT	GGGCATGCCA	AACATCCGGG	GGGACTTGAG	GTCCGGCTCC
	27541	TGGAGGCAA	ACTGCCCG	GGCGATCGT	GAGTTGGAGT	TGAGGGTGAC	GAGGCTAAAG
	27601	TCGGCGAGGA	CGGCCGCC	GAGCGAGACG	GCGTCCGACC	GCAGCATGAC	GAGGATGTTG
	27661	GCGCACTTGA	TATCCAGGTG	GCTGATCCC	CAGGTGGTGT	TTAAAAACAC	AACGGCGCGG
55	27721	GCCAGCTCG	TGAAGCACTG	GTGGAGGGCC	GTCGAGACCG	AGGGGTTTGT	TGTGCGCAGG
	27781	GACGCCAGTT	GGCCGATATA	CTTACCGAGG	TCCATGTCGT	ACCGGGGGAA	CACTATCTGT
	27841	CGTTGTTGCA	GCGAGAACCC	GAGGGCGCG	ATGAAGCCG	GGATGTTG	GGTGCAGGCC
	27901	GCGCGTAGAA	CGCACTCCC	GACCAACAGG	GTCGCGATGA	GCTCAACGGC	AAACCACCTC
	27961	TTTCCCTTA	TGGTCTAAC	GGCAAGCTTA	TGTTCGCGAA	TCAGTTGGAC	GTCACCGTAT

	28021	CCCCCAGACC	CCCGAAGCT	TCGGGCCCG	GGGATCTCGA	GGTCGTGTA	GTGTAGGGCG
	28081	GGGTTGATGG	CGAACACGGG	GCTGCATAGC	TTGCGGATGC	GCGTGAGGGT	GAGGATGTGC
5	28141	GAGGGGGACG	AGGGGGGTGC	GGTTAACGCC	GCCTGGATC	TGCGCAGGGG	CGGGCGGTTC
	28201	AGTTTGGCCG	CCGTACCGGG	CGTCTCGGGG	GACGCGCCG	GATGAGACGA	GC GGCTCAATT
	28261	CGCCATCGGG	ATAGTCCCGC	GCGAAGCCGC	TCGCGGAGGC	CGGATCGGTG	GC GGGGACC CG
	28321	TGGGAGGAGC	GGGAGACGGC	GGCGTCCTGG	AGAGAGGGC	CGCTGGGCG	CCC GGAGGCC
10	28381	CCGTGGGGGT	TGGAGTGTAC	GTAGGATGCG	AGCCAATCCT	TGAAGGACCG	TTGGCGTGCA
	28441	CCTTGGGGGC	TGAGGTTAGC	TGCCACATGA	CCAGCAGGTC	GCTGTCTGCG	GGACTCATCC
	28501	ATCCCTCGGC	CAGGTCGCCG	TCTCCCCACA	GAGAAGCGTT	GGTCGCTGCT	TCCTCGAGTT
15	28561	GCTCCTCTG	GTCCGCAAGA	CGATCGTCA	CGGCGTCAG	GCGCTCACCA	AGCGCCGGAT
	28621	CGAGGTACCG	TCGGTGTGCG	GTAGAAAGT	CACGACGCCG	CGCTTGCTCC	TCCACCGCAA
	28681	TTTTAACACA	GGTCGCGCGC	TGTCCCATCA	TCTCTAACCG	CGCGCGGGAC	TTTAGCCCG
	28741	CCTCCAATT	CAAGTGGGCC	GCCTTGCA	CCATAAAGGC	GCCAACAAAC	CGAGGATCTT
20	28801	GGGTGCTGAC	GCCCTCCCGG	TGCAGCTGCA	GGGTCTGGTC	CTTGTAAATC	TCGGCTCGGA
	28861	GGTGCCTCTC	GGCCAGGGCGT	CGGCCAGGG	CCCGTGGGC	GGCATCTCGG	TCCATTCCGC
	28921	CACCCCTGCGG	GCGACCCGGG	GGGTGCTCTG	ATAGTCTCGC	GTGCCAAGG	CCC GTGAT CG
	28981	GGGTACTTCG	CCGCCGCGAC	CCGCCACCCG	GTGTGCGCA	TGTTTGGTCA	GCAGCTGGCG
25	29041	TCCGACGTCC	AGCAGTACCT	GGAGCGCTC	GAGAAACAGA	GGCAACTTAA	GGTGGCGCG
	29101	GACGAGGCGT	CGGCGGGCCT	CACCATGGGC	GGCGATGCC	TACGAGTGC	CTTTTTAGAT
	29161	TTCGCGACCG	CGACCCCCAA	GCGCCACCAG	ACCGTGGTCC	CTGGCGTCGG	GACGCTCCAC
	29221	GA C T G C G C G	A G C A C T C G C C	G C T C T T C T C G	G C C G T G G C G C	G G C G G C T G C T	G T T T A A T A G C
	29281	CTGGTGCCGG	CGCAACTAAA	GGGGCGTGAT	TCCTGGGGCG	ACCACACGGC	CAAGCTGGAA
	29341	TTCCTGGCCC	CCGAGTTGGT	ACGGGCGGTG	GCGCGACTGC	GTTTAAGGA	GTGCGCGCG
30	29401	CGGGACGTGG	TGCCTCAGCG	TAACGCC	TATAGCGTTC	TGAATACGTT	TCAGGCCCTC
	29461	CACCGCTCCG	AAGCCTTTCG	CCAGCTGGTG	CACTTTGTG	GGGACTTGC	CCAGCTGC
	29521	AAAACCTCCT	TCCGGGCCTC	CAGCCTCAGC	GAGACCACGG	GCCCCCCCCA	AAAACGGGCC
	29581	AAGGTGGACG	TGGCCACCCA	CGGCCGGACG	TACGGCACGC	TGGAGCTGTT	CAAAAAAAATG
	29641	ATCCTTATGC	ACGCCACCTA	CTTTCTGGCC	GCCGTGCTCC	TGGGGGACCA	CGCGGAGCAG
	29701	GTCAACACGT	TCCTGCGTCT	CGTGTGGAG	ATCCCCCTGT	TTAGCGACGC	GGCCGTGC
35	29761	CACTTCCGCC	AGCGCGCCAC	CGTGTGGAG	GTCCCCCGC	GCCACGGCAA	GACCTGGTT
	29821	CTGGTGCCCC	TCATCGCGCT	GTGCGTGGCC	TCCTTTCGGG	GGATCAAGAT	CGGCTACACG
	29881	GCGCACATCC	GCAAGGCGAC	CGAGGCCGGTG	TTTGAGGAGA	TGACGCGCTG	CCTGGGGGGC
	29941	TGGTTGGTT	CGGCGCGAGT	GGACACAGTT	AAAGGGAAA	CCATCTCCTT	CTCGTTTCCG
40	30001	GACGGGTCGC	GCAGTACCAT	CGTGTGGAG	TCCAGCCACA	ACACAAACGT	AAGTCCTCTT
	30061	TTCTTCGCA	TGGCTCTCCC	AAGGGGCC	GGGTGCA	GACCCACACC	CACCCACCCA
	30121	CATACACACA	CAACCAGACG	CGGGAGGAAA	GTCTGCCCG	TGGGCACTGA	TTTTTATT
	30181	GGATCGCTT	AGGAGGCCG	GGCAACGGCC	CGGGCAACGG	TGGGGCAACT	CGTAGCAAAAT
	30241	AGGCGACTGA	TGTACGAAGA	GAAGACACAC	AGGCGCCACC	CGGCGCTGGT	CGGGGGGATG
45	30301	TTGTCCGCGC	CGCACCGTCC	CCCGACGACC	TCTTGCA	GGTCCGTGAT	GCAAGGACGG
	30361	CGGGGGGCCT	GCAGCAGGGT	GACCGTATCC	ACGGGATGGC	CAAAGAGAAG	CGGACACAGG
	30421	CTAGCATCCC	CCTGGACCGC	CAGGGTACAC	TGGGCCATCT	TGGCCCACAG	ACACGGGCCG
	30481	ACGCAGGGAC	AGGACTCCGT	TACGACGGAG	GAGGCCACA	GTGCGTTGGC	GGAATCGATG
	30541	TGGGGCGGC	GGGCGCAGGA	CTCGCAGGCC	CCCGGGTGGT	TGGTGTACCT	GGCCAGGAGC
50	30601	CATCCCAGAT	GGCGGGCC	GCTTCCCGGT	GGACAGAGCG	ACCCAGGTC	GCTGTCCATG
	30661	GCCCAGCAGT	AGATCTGGC	GCTGGGGAGG	TGCCACCA	GGGGCGGCC	CAAGGGCGCAG
	30721	CACGCGCCCG	GCTCCGGGGG	GGTCTTCGCG	GGGACCA	GAT	ACGCTCGCCG
	30781	ACCACTGGCT	CCTCCGCGAG	CTGTTGGT	GGTGGTCGG	GGGTTTCCTC	CGGGGGGGTG
	30841	GCCGCCCGTA	TGCGTGC	CGTGA	CACAGGAGCG	GGGTCAGGGG	GTGCGTCACG
	30901	CTCCGGAGGT	GGACGATCGC	GCAGTAGCGG	CGCTCGCGT	TAAAGAAAAA	GAGGGCAAAAG
55	30961	AAGGTGTTG	GGGGCAACCG	CAGGCC	GGGCGCGTCA	GATACAGAAA	AATCTCGCAG
	31021	AAGAGGGCGC	GCCC	GGGGT	AGGGCCACCT	GACACAGAGG	CTCGGTGAGG
	31081	ACCGTTAGAC	ACCGAAAGAT	CTTGA	TCGTCCGCCC	GAACGACGCG	CCACACAAAG
	31141	ACGGAGTTGA	CAATGCGCGC	GATAGAGTCG	ACGTCCGTC	CCAGGTGTC	GACTCTATCG
	31201	CGCGTGC	GAGCTCCG	CCGGGAATCC	GGCC	AGGTCCCCGG	GGGACCAAGC
	31261	GGCGCCAGGG	GCCGCC	GGGG	GCCATGCC	GGGCGGGGGG	AGGGCAAACC
	31321	CCAGAGGCGG	GGGCC	GGGG	AGTGGGTGGG	CGAGGTGGC	GGGGGAAAGC
	31381	GCCC	GGGG	GGGG	GACACCTTGC	GACAAAACCT	AAGGACAGCG
	31441	GCCC	GGGG	GGGG	TAGGCGCGA	TGTTAATGGT	GAACGCAAG
	31501	CCGCC	GGGG	GGGG	CGCGATTAA	ACCCAGGCA	GAGGTAGCG

	31561	TAGCTTCccc	CGGGCAGGTA	TTGCTCGCAG	ACCCCTGCGTG	GGGCTGTGGA	GGGGACGGCC
	31621	TCCATGAAGC	GACATTTACT	CTGCTCGCGT	TTACTGACGT	CACCATCCAT	CGCCACGGCG
	31681	ATTGGACGAT	TGTTAAGCCG	CAGCGTGTCT	CCGCTTGTGC	TGTAGTAGTC	AAAAACGTAA
5	31741	TGGCCGTCGG	AGTCGGCAAA	GCGGGCCGGG	AGGTCGTCGC	CGAGCAGGAC	GACCCGCCGC
	31801	CCCCGACCGC	CCCGTCCCCC	CAGGTGTGCC	AGGACGGCCA	GGGCATACGC	GGTGTGAAAAA
	31861	AAGGCCTCGG	GGGCGGTCCC	CTCGACGGCG	CGCATCAGGT	TCTCGAGGAG	AATGGGGAAG
	31921	CGCCTGGTCA	CCTCCCCCAA	CCACGCGCGT	TGGTCGGGGC	CAAAGTCATA	GCAGCAGGCGC
	31981	TGTGAGATTc	GGGGGCCGCC	CTGAAGCGCG	GCCCAGGATGG	CCTGGCCAG	GGCCCGGAGG
10	32041	CACGCCAGAT	GTATGCGCGC	GGTAAAGGCG	ACCTCGGCCG	CGATGTAAA	GGGCGGCAGG
	32101	ACGGGGCGCG	GGTGGCGCAG	GGGCACCTCG	AGCGCGGGAA	AGCGTAGCAG	CAGCTCCGCC
	32161	TGCCCAGCGG	GAGACAGCTG	GTGGGGGCGC	ACGACCGCTT	CTGCGGCCA	GGCCTCGGTC
	32221	AGGGCCGTGG	CCAGCGCCGA	GGACAGCAGC	GGAGGGCGGG	CGCGTCGCC	GCCCCCACGCC
	32281	ACGGAGTTCT	CGTAGGAGAC	GACGACGAAG	CGCTGCTTGG	TTCCGTAGTG	GTGGCGCAGG
15	32341	ACCACGGAGA	TAGAACGACG	GCTCCACAGC	CAGTCCGGCC	GGTCGCCGCC	GGCCAGGGCT
	32401	TCCCCATCCGC	GATCCAACCA	CTCGACCGAGC	GACCGCGGCT	TTGCGGTACC	AGGGGTAAGG
	32461	GTTAGAACGT	CGTTCAGGAT	GTCCTCGCCC	CCGGGCCCCGT	GGGGCCCTGG	GGCACAAAG
	32521	CGGCCCCCGC	CGGGGGGCTC	CAGACCCGCC	AGCACCGCAT	CTGCGTCAGC	CGCCCCCATG
	32581	GCGCCCCCGC	TGACGGCCTG	GTGAACCAGG	GCGCCCTGGC	GTAGCCCCGA	TGCAACGCCA
20	32641	CAGGCCGCAC	GCCCCGGTCCG	CGCTCGGACC	GGGTGGCGGC	GGGTGACGTC	CTGCACTGCC
	32701	CGCTGAACCA	ACGCGAGGAT	CTCCTCGTTC	TCCTGTGCGA	TGGACACGTC	CTGGGCCGCC
	32761	GTCGTGTCGC	CGCCGGGGC	CGTCAGCTGC	TCCTCCGGGG	AGATGGGGGG	GTCGGACGCC
	32821	CCGACGATGG	GCGGGTCTGC	GGGCGCCCCC	GCGTGGGGCC	GGGCAAGGG	CTGOGGACGC
	32881	GGGGACGCGC	TTTCCCCCAG	ACCCATGGAC	AGGTGGGCCG	CAGCCTCCTT	CGCGGCCGGC
25	32941	GGGGCGGCCG	CGCCAAGCAG	AGCGACGTAG	CGGCACAAAT	GCCGACAGAC	GCGCATGATG
	33001	CGCGTGTGT	CGGCCCGCTA	GCGCGTGTG	GGGGGGACGA	GCTCGTCGTA	ACTAAACAGA
	33061	ATCACGCGGG	CACAGCTCGC	CCCCGAGCCC	CACGCAAGGC	GCAGCGCCGC	CACGGCGTAC
	33121	GGGTCATAGA	CGCCCTGCGC	GTACACACACC	ACGGGCAGGG	AGACGAACAA	CCCCCCGGCG
	33181	CTGGACGCAC	GCGGAAGGAG	GCCAGGGTGT	GCCGGCACGA	GGGGGGCCAG	AAGCTCCCCC
30	33241	ACCGCATCCG	CGGGCAGCTA	GGCGGCAAAAC	GCCGTCGACC	ACGGGGTACA	GTCGCCGGTG
	33301	GCATGAGCCC	GAGTCTGGAT	TTCGACCTGG	AAGTTTGCAG	CCGTCCCCGAG	TCCGGGGCGG
	33361	CCGCGCATCA	GGGCGGCCAG	AGGGATTCCC	GCGGCCGCCA	GGCACTCGCT	GGATATGATG
	33421	ACGTGAACCA	AAGACCGAGG	GCGGACCCGG	GCCGTGGCCG	AGATCGTCTG	GACCTCGTTG
	33481	GCCAAGTGC	CGTTCATGGT	TCGGGGGTGG	GTGTGGGTGT	GTAGGCGATG	CGGGTCCCCC
35	33541	GAGTCCCGGG	GAAGGGCGTG	GGTTTGGCGC	GCGTATGCGT	ATTGCGAAC	GGAGGCGTGC
	33601	GTGCTTATGC	CGGGCGCGTT	TCTTCTGTCT	CTAGGGAATC	CGAGGCCAGG	ACTTTAACCT
	33661	GCTCTTGTG	GACGAGGCCA	ACTTTATTGCG	CCCGGATGCG	GTCCAGACGA	TTATGGGCTT
	33721	TCTCAACCAG	GCCAAC TGCA	AGATTATCTT	CGTGTGTC	ACCAACACCG	GGAAGGCCAG
	33781	TACGAGCTT	TTGTACAACC	TCCGCGGGGC	CGCAGACGAG	CTTCTCAACG	TGGTGACCTA
40	33841	TATATGCGAT	GATCACATGC	CGAGGGTGGT	GACGCACACA	AACGCCACGG	CCTGTTCTTG
	33901	TTATATCCTC	AACAAGCCG	TTTCATCAC	GATGGACGGG	GCGGTTGCC	GGACCGCCGA
	33961	TTTGTTCCTG	GCCGATTCT	TCATGCAGGA	GATCATCGGG	GGCCAGGCCA	GGGAGACCGG
	34021	CGACGACCGG	CCC GTTCTGA	CCAAGTCTGC	GGGGGAGCGG	TTTCTGTTGT	ACCGCCCTC
	34081	GACCACCACC	AACAGCGGCC	TCATGGCCCC	CGATTGTCAC	GTGTACGTTG	ATCCCACGTT
45	34141	CACGCCAAC	ACCCGAGCCT	CCGGGACCGG	CGTCGCTGTC	GTGCGGGCGGT	ACCGCGACGA
	34201	TTATATCATC	TTCGCCCTGG	AGCAGTTTTT	TCTCCCGCG	CTCACGGGCT	CGGCCCCCGC
	34261	CGACATCGCC	CGCTGCGTCG	TCCACAGTCT	GACGCAGGTC	CTGGCCCTGC	ATCCCACGGG
	34321	GTTCGCGGC	GTCCGGGTGG	CGGTGAGGG	AAATAGCAGC	CAGGACTCGG	CGTCGCCAT
	34381	CGCCACGCAC	GTGCACACAG	AGATGCACCG	CCTACTGGCC	TGGGAGGGGG	CCGACGCGGG
50	34441	CTCGGGCCCC	GAGCTTCTCT	TCTACCACTG	CGAGCCTCCC	GGGAGCGCGG	TGCTGTACCC
	34501	CTTTTCTG	CTCAACAAAC	AGAAGACGCC	CGCCTTGA	CACTTTATTA	AAAAGTTAA
	34561	CTCCGGGGGC	GTCACTGGCCT	CCCAGGAGAT	CGTTCCGCG	ACGGTGCGCC	TGCAGACCGA
	34621	CCCGGTGAG	TATCTGCTCG	AGCAGCTAA	TAACCTCAC	GAAACCGTCT	CCCCAACAC
	34681	TGACGTCCGT	ACGTATTCCG	GAAAACGGAA	CGGCCTCTCG	GATGACCTTA	TGGTCGCCGT
55	34741	CATTATGGCC	ATCTACCTCG	CGGCCCAGGC	CGGACCTCCG	CACACATTG	CTCCTATCAC
	34801	ACGCGTCTCG	TGAGCGCCCA	ATAAACACAC	CCAGGTATGC	TACGCACGAC	CACGGTGTG
	34861	TCTGTTAAGG	GGGGGGGGGG	AAGGGGGTGT	TGGCGGGAAAG	CGTGGGAACA	CGGGGGATTC
	34921	TCTCACGACC	GGCACCAAGTA	CCACCCCCCT	GTGAACACAG	AAACCCCAAC	CCAAATCCCA
	34981	TAAACATACG	ACACACAGGC	ATATTTGGA	ATTTCTTAGG	TTTTTATTTA	TTTGGTATG
	35041	CTGGGGTTTC	TCCCTGGATG	CCCACCCCCA	CCCCCGGTG	GGTCTAGCCG	GGCCTTAGGG

	35101	ATAGCGTATA	ACGGGGGCCA	TGTCTCCGGA	CCGCACAACG	GCCGCGCCGT	CAAAGGTGCA
	35161	CACCGAACC	ACGGGAGCCA	GGGCAAGGT	GTCTCCTAGT	TGGCCCGCGT	GGGTCAGCCA
5	35221	GGCGACGAGC	GCCTCGTAAA	GCGGCAGCCT	TCGCTCTCCA	TCCTGCATCA	GGGCCGGGGC
	35281	TTCGGGGTGA	ATGAGCTGGG	CGGCTCCCG	CGTGACACTC	TGCATCTGCA	GTAGAGCGTT
	35341	CACGTACCCG	TCCTGGGCAC	TTAGCGAAA	GAGCCGGGG	ATTAGCGTAA	GGATGATGGT
	35401	GGTCCCTCC	GTGATCGAGT	AAACCATGTT	AAGGACCAGC	GATCGCAGCT	CGGGCGTTAC
	35461	GGGACCGAGT	TGTTGGACGT	CCGCCAGCAG	CGAGAGGCGA	CTCCC GTTGT	AGTACAGCAC
10	35521	GTTGAGGTCT	GGCAGCCCTC	CGGGGTTTCT	GGGGCTGGGG	TTCAGGTCCC	GGATGCCCT
	35581	GGCCACGAGC	CGCGCCACGA	TTTCGCGCGC	CAGGGCGAT	GGAAGCGGAA	CGGGAAACCG
	35641	CAACGTGAGG	TCCAGCGAAT	CCAGGCGCAC	GTCCGTCGCT	TGGCCCTCGA	ACACGGGCGG
	35701	GACGAGGCTG	ATGGGGTCCC	CGTTACAGAG	ATCTACGGGG	GAGGTGTTGC	GAAGGTTAAC
	35761	GGTGCCGGCG	TGGGTGAGGC	CCACGTCCAG	GGGGCAGGCG	ACGATTGCGG	TGGGAAGCAC
15	35821	CGGGGTGATG	ACCGCGGGGA	AGCGCCTTCG	GTACGCCAGC	AACAACCCCA	ACGTGTCGGG
	35881	ACTGACGCCT	CCGGAGACGA	AGGATTGCGT	CGCCACGTCG	GCCAGCGTCA	GTTGCCGGCG
	35941	GATGGTCGGC	AGGAATACCA	CCCGCCCTTC	GCAGCGCTGC	AGCGCCGCG	CATCGGGCG
	36001	CGAGATGCC	GAGGGTATCG	CGATGTCAGT	TTCAAAGCCG	TCCGCCAGCA	TGGCGCCGAT
	36061	CCACCGGGCA	GGGAGTGCAG	TGGTGGTTCG	GGTGGCGGG	GGAGCGCGGT	GGGGGTCAGC
	36121	GGCGTAGCAG	AGACGGGCGA	CCAACCTCGC	ATAGGACGGG	GGGTGGGTCT	TAGGGGGTTG
20	36181	GGAGGCGACA	GGGACCCAG	AGCATGCGC	GGGAGGTCTG	TCGGGGCCAG	ACGCACCGAG
	36241	AGCGAATCCG	TCCCGGGAGT	CCCGGCTTGG	GTTTTATGGG	CCCCGGCCCT	CGGAATCGCG
	36301	GCTTGTGCGC	GGGGACAAAG	GGGGCGGGG	TAGGGGCTTG	CGGAAACAGA	AGACGCGTGG
	36361	GATAAAAGAA	TCGCACTACC	CCAAGGAAGG	CGGGGGCGGT	TTATTACAGA	GCCAGTCCCT
	36421	TGAGCGGGGA	TGCGTCATAG	ACGAGATACT	GCGCGAAGTG	GGTCTCCCGC	GCGTGGGCTT
25	36481	CCCCGTTGCG	GGCACTGCGG	AGGAGGGCGG	GGTCGCTGGC	GCAGGTGAGC	GGTAGGCCT
	36541	CCTGAAACAG	GCCACACGGG	TCCTCCACGA	GTTCGCGGCA	CCCCGGGGG	CGCTTAAACT
	36601	GTACGTCGCT	GGCGCGGGT	GCCGTGGACA	CCGCCGAACC	CGTCTCCACG	ATCAGGCGCT
	36661	CCAGGCAGCG	ATGTTTGGCG	GCGATGTCGG	CCGACGTAAA	GAACTTAAAG	CAGGGGCTGA
	36721	GCACCGGGCA	GGCCCCGTTG	AGGTGGTAGG	CCCCGTTATA	GAGCAGGTCC	CCGTACGAAA
30	36781	ATCGCTGCGA	CGCCCACGGG	TTGGCCGTGG	CCGCGAAGGC	CCGGGACGGG	TCGCTCTGGC
	36841	CGTGGTCGTA	CATGAGGGCG	GTGACATCCC	CCTCCTTGTC	CCCCCGTAA	ACGCCCCCGG
	36901	CGGCCCGTCC	CCGGGGGTTG	CAGGGCCGGC	GGAAGTAGTT	GACGTCGGTC	GACACGGGG
	36961	TGGCGATAAA	CTCACACACG	GCGTCCTGGC	CGTGGTCCAT	CCCTGCGCGC	CGGGCACCT
	37021	GGGCGCACCC	GAACACGGGG	ACGGGCTGGG	CCGGCCCCAG	GCGGTTTCCC	GCCACGACCG
35	37081	CGTTCCGCGAG	GTACACGGCT	GCCCGCGTTGT	CCAGGAGAGG	GGGAGCCCG	CGGCCAGGT
	37141	AAAAGTTTG	GGGAAGGTTG	CCCATGTCGG	TGACGGGGTT	GGGGACGGTT	GCCGTGGCCA
	37201	CGACGGCGGT	GTAGCCCACG	CCCAGGTCCA	CGTTCGCGCG	CGGCTGGGTG	AGCGTGAAGT
	37261	TTACCCCCCC	GCCAGTTTCG	TGCCGGGCCA	CCTGGAGCTG	GCCCAGGAAG	TACGCCCTCCG
	37321	ACGCGCGCTC	CGAGAACAGC	ACGTTCTCAG	TCACAAAGCG	GTCCTGTTCG	ACGACGGTGA
40	37381	ACCCAAACCC	GGGATGGAGG	CCCGTCTTGA	GCTGATGATG	CAAGGCCACG	GGACTGATCT
	37441	TGAAGTACCC	CGCCATGAGC	GCGTAGGTCA	GCGCITTCTC	CCCGGCCGCG	CTCTCGCGGA
	37501	CGTGCCTGCAC	GACGGGCTGT	CGGATCGACG	AAAAGTAGTT	GGCCCCCAGA	GCCGGGGGGA
	37561	CCAGGGGGAC	CTGCCCGGAC	AGGTGCGC	GGGCGGGGG	GAAATTGGGC	GCGTTGCCA
	37621	CGTGGTCGGC	CCCGGCGAAC	AGCGCGTGG	CGGGGAGGGG	GTAAAAATAG	TCGCCATT
45	37681	GGATGGTATG	GTCCAGATGC	TGGGGGGCA	TCAGCAGGAT	TCCGGCGTGC	AACGCCCGT
	37741	CGAATATGCG	CATGTTGGTG	GTGGACGCGG	TGTTGGCGCC	CGCGTCGGG	GCCGCCGAGC
	37801	AGAGCAGCGC	CGTTGTGCGT	TCGGCCATGT	TGTGGGCCAG	CACCTGCA	GTGAGCATGG
	37861	CGGGCCCGTC	CACTACCACG	CGCCCGTTGT	GAAACATGGC	GTTGACCGTG	TTGCCACCA
	37921	GATTGGCCGG	GTGCAGGGGG	TGCGCGGGGT	CCGTACCGGG	GTCGCTGGGG	CACTCCTCGC
50	37981	CGGGGGCGAT	CTCCGGGACC	ACCATGTTCT	GCAGGGTGGC	GTATAACGCG	TCGAAGCGAA
	38041	CCCCCGCGGT	GCAGCAGCGG	CCCCCGCAGA	AGGCGGGCAC	CATCACGTAG	TAGTAAATCT
	38101	TGTGGTCAC	GGTCCAGTCC	GCCCCCGGGT	GGGGCGGGTC	ATCCCGGGCG	TCCCGGGCTC
	38161	GGGCTGGGT	GTTGTGCGAC	AGCTGGCCGT	CGTTGCGGTT	GAAGTCCCG	GTCGCCACGT
	38221	TACATGCCGC	CGCGTACACG	GGGTCGTGGC	CCCCCGCGCT	AACCCGGCAG	TCGCGATGGC
55	38281	GGTCCAGGGC	CGCGCGCCGC	ATCAGGGCGT	CACAGTCCA	CACGAGGGGT	GGCAGCAGCG
	38341	CCGGGTCTCG	CATTAGGTGA	TTCA GCTCGG	CTTGCGCCTG	CCCCGCCAGC	TCCGGGCCGG
	38401	TCAGGGTAAA	GTCATCAACC	AGCTGGGCCA	GGGCCTCGAC	GTGCGCCACC	AGGTCCCAGGT
	38461	ACACGGCCAT	GCACCTCTCG	GGAAAGGTCTC	CCCCGAGGTA	GGTCACGACG	TACCGAGACCA
	38521	GCGAGTAGTC	GTTCACGAAC	GCCGCGCACC	GGGTGTTGTT	CCAGTAGCTG	GTGATGCACT
	38581	GGACCAACGAG	CCGGGCCAGG	GCGCAGAAGA	CGTGCTCGCT	GGCGTGTATG	GGGCCCTGCA

	38641	GCAGGTAAAAA	CACCGCCCCGG	TAGTTGCGGT	CGTCGAACGC	CCCGCGAACG	GCGGCGATGG
5	38701	TGGCGGGGGC	CATGGCGTGG	CGTCCCACCC	CCAGCTCCAG	GCCCCGGGCG	TCCCGGAACG
	38761	CCGCCGGACA	TAGGCCAGG	GGCAAGTTGC	CGTTCACCAAC	GCGCCAGGTG	GCCTGGATCT
	38821	CCCCCGGGCC	GGCCGGGGGA	ACGTCCCCCC	CCGGCAGCTC	CACGTGGCC	ACCCCCACAA
10	38881	AGAAGTCGAA	CGCGGGGTGC	AGCTCAAGAG	CCAGGTTGGC	TGTGTCGGGC	TGCATAAAACT
	38941	GCTCCGGGGT	CATCTGGCCT	TCCCGACCCC	ATCGGACCCG	CCCGTGGGCC	AGGCGCTGCC
	39001	CCCAGGC GTT	CAAAAACAGC	TGCTGCATGT	CTGCGGCCGG	GCCGGCCGGG	GCCGCCACGT
	39061	ACGCCCGTA	CGGATTGGCG	GCTTCGACGG	GGTCGCGGTT	AAGGCCCG	ACCGCCGCGT
15	39121	CAACGTTCAT	CAGCGAAGGG	TGGCACACGG	TCCCGATCGC	GTGTTCCAGA	GACAGGCGCA
	39181	GCACCTGGCG	GTCCTTCCCC	CAAAAAAAACA	GCTGGCGGGG	CGGGAAAGGGC	CGGGGATCCG
	39241	GGTGGCCGGG	GGCGGGGACT	AGGTCCCCGG	CGTGCGCGGC	AAACC GTTCC	ATGACCGGGAT
	39301	TGAACAGGCC	CAGGGGCAGG	ACGAACGTCA	GGTCCATGGC	GCCCACCAGG	GGGTAGGGAA
	39361	CGTTGGTGGC	GGCGTAGATG	CGCTTCTCCA	GGGCCTCCAG	AAAGACCAGC	TTCTCGCCGA
20	39421	TGGACACCAG	ATCCGCGCGC	ACGCGCGTCG	TCTGGGGGGC	GCTCTCGAGC	TCGTC CAGCG
	39481	TCTGCCGGTT	CAGGT CGAGC	TGCTCCTCCT	GCATCTCCAG	CAGGTGGCGG	CCCACGTCGT
	39541	CCAGACTTCG	CACGGCCTTG	CCCATCACGA	GCGCCGTGAC	CAGGTGGGCC	CCGTT CAGGA
	39601	CCATCTCGCC	GTACGTCA CC	GGCACGT CGG	CTTCGGTGT C	CTCCACTTTC	AGGAAGGACT
	39661	GCAGGAGGCG	CTGTTTGATC	GGGGCGGTGG	TGACGAGCAC	CCCGTGCACC	GGCCGCCCGC
	39721	GC GTGTCGGC	ATGCGTCAGA	CGGGGCACGG	CCACGGAGGG	CTGCGTGGCC	GTGGTGAGGT
25	39781	CCACGAGCCA	GGCCTCGACG	GCCTCCC GG	GGTGGCCCGC	CTTGCCCAGG	AAAAAGCTCG
	39841	TCTCGCAGAA	GCTTCGCTT	AGCTCGGCGA	CCAGGGTCGC	CCGGGCCACC	CTGGTGGCCA
	39901	GGCGGCCGTT	GTCCAGGTAT	CGTTGCATCG	GCAACAACAA	AGCCAGGGC	GGCGCCCTTT
	39961	CCAGCAGCAC	GTGCAGCATC	TGGTCGGCCG	TGCCCGCCTC	AAACGCCCG	AGGACGGCCT
	40021	GGACGGT GCG	AGCGAGCTGT	TGGATGGCGC	GCAACTGGCG	ATGCGCGCCG	ATACCCGTCC
30	40081	CGTCCAGGGC	CTCCCCCGTG	AGCAGGGCGA	TGGCCTCGGT	GGCCAGGCTG	AAGGCCGGGT
	40141	TCAGGGCCCG	GCGGTCGATA	ATCTTGGTCA	TGTAATTGTG	TGTGGGTTGC	TCGATGGGGT
	40201	GCGGGCCGTC	GCGGGCAATC	AGCGGCTGGT	GGACCTCGAA	CTGTACGCGC	CCCTCGTTCA
	40261	TGTAGGCCAG	CTCCGGAAAC	TTGGTACACA	CGCACGCCAC	CGACAACCCG	AGCTCCAGAA
	40321	AGCGCACGAG	CGACAGGGTG	TTGCAATACG	ACCC CAGCAG	GGCGTCGAAC	TCGACGTCGT
35	40381	ACAGGCTGTT	TGCA TCGGAG	CGCACGCGGG	AAAAAAAATC	AAACAGGCGT	CGATCGACG
	40441	CCACCTCGAT	CGTGCTAAGG	AGGGACCCGG	TCGGCACCAT	GGCCCGCGCA	TACCGGTATC
	40501	CCGGAGGGTC	GCGGTTGGG	GCGGCCATGG	GGTCGCGTGG	AGATCGGCTG	TCTCTAGCGA
	40561	TATTGGCCCG	GGGAGGCTAA	GATCCACCCC	AACGCCCGC	CACCCGTGTA	CGTGC CCGAC
	40621	GGCCCAAGGT	CCACCGAAAG	ACACGACGGG	CCCGGACCCA	AAAAGGCGGG	GGATGCTGTG
40	40681	TGAGAGGCCG	GGTGC CGGT	GGGGGGGAAA	GGCACCGGGA	GAAGGCTGCG	GCCTCGTTCC
	40741	AGGAGAACCC	AGTGTCCCCA	ACAGACCCGG	GGACGTGGGA	TCCCAGGCC	TATATAACCC
	40801	CCCCCCCCGCC	CCACCCCCGT	TAGAACGCGA	CGGGTGCATT	CAAGATGGCC	CTGGTCCAAA
	40861	AGCGTGC CAG	GAAGAAATTG	GCAGAGGCGG	CAAAGCTGTC	CGCCGCCGCC	ACCCACATCG
	40921	AGGCCCGGCC	CGCGCAGGCT	ATCCCCAGGG	CCCGTGTGCG	CAGGGGATCG	GTGGCGGCA
45	40981	GCATTGTT	GGTGC GATA	AAAGTGGAAA	GCCC GTCCGG	ACTGAAGGTC	TCGTGGCGG
	41041	CGGCGAACAA	GGCACACAGG	GCCGTGCCTC	CCAAAAACAC	GGACATCCCC	AAAAACACGG
	41101	GCGCCGACAA	CGGCAGACGA	TCCCTCTTGA	TGTTAACGTA	CAGGAGGAGC	GCCCGCACCG
	41161	CCCACGTAAC	GTAGTAGCCG	ACGATGGCGG	CCAGGATACA	GCCCGGCGCC	ACCACCCCTC
	41221	CGGT CAGCCC	GTAATACATG	CCCGCTGCCA	CCATCTCCAA	CGGCTTCAGG	ACCAAAAACG
50	41281	ACCAAAGGAA	CAGAATCACG	CGCTTGTGAA	AGACGGCTG	GGTATGGGGC	GGAAGACGCG
	41341	AGTATGCCGA	ACTGACAAAA	AAATCAGAGG	TGCCGTACGA	GGACAATGAA	AACTGTTCT
	41401	CCAGCGGCAG	TTCTCCCTCC	TCCCCCCCCG	AGGCGCCCTC	GTGACCCAGA	TCTCGATCCA
	41461	CCAGAGGAAG	GTCATCCCG	ATGGTCA TG	GGTGTGCGGT	GGAGGTGGGG	AGACCGAAC
	41521	CGCAAAGGGT	CGCTTACGTC	AGCAGGATCC	CGAGATCAA	GACACCCGGG	TTCTTGAC A
	41581	AACACCACCC	GGGTTGCATC	CGCGGAGGCG	AGTGTGTTGA	TAAGGCCGTT	CCGCGCCTTG
	41641	ATATAAACCTT	TGATGTTGAC	CACAAAACCC	GGAATT TACG	CCTACGCC	AATGCCCACG
	41701	CAAGATGAGG	TAGGTAACCC	CCCCGTGGGT	GTGACGTTGC	TTTAGTGTCA	TTGGAGGCCA
	41761	AGGGGAAAAA	TGGGGTGGGG	AGGAAACGGA	AAACCCAGTA	GGCGTGTGCG	GGAACACGCC
	41821	CGGGGTGTC	CTCAAAAGGC	AGGGTCCATA	CTACGGAAGC	CGTCGTTGTA	TTCGAGACCT
55	41881	GCCTGTGCAA	CGCACGTCGG	GGTTGCCTGT	GTCCGGTTCG	GCCCCCACCG	CGTGC GGCAC
	41941	GCACGAGGAC	GAGTCCCGT	GCTTTATTGG	CGTTCCAAGC	GTTGCCCTCC	AGTTTCTGTT
	42001	GTCGGTGTTC	CCCCATACCC	ACGCCCACAT	CCACCGTAGG	GGGCCTCTGG	GCCGTGTTAC
	42061	GTCGCCGCC	GCGATGGAGC	TTAGCTACGC	CACCA CCTA	CACTACCGGG	ACGTTGTGTT
	42121	TTACGTCACA	ACGGACCGAA	ACCGGGCCTA	CTTTGTGTC	GGGGGGTGTG	TTTATTCCGT

	42181	GGGGCGGCCG	TGTGCCTCGC	AGCCCAGGGG	GATTGCCAAG	TTTGGTCTGG	TCGTTCGAGG
5	42241	GACAGGCCCA	GACGACCGCG	TGGTCGCCAA	CTATGTACGA	AGCAGACTCC	GACAACGCGG
	42301	CCTGCAGGAC	GTGCGTCCA	TTGGGGAGGA	CGAGGTGTTT	CTGGACAGCG	TGTGCTTCT
	42361	AAACCCGAAC	GTGAGCTCCG	AGCTGGATGT	GATTAACACG	AACGACGTGG	AAGTGTCTGG
10	42421	CGAATGTCTG	GCCGAGTACT	GCACCTCGCT	GCGAACACCAGC	CCGGGTGTGC	TAATATCCGG
	42481	GCTGCGCGTG	CGGGCGCAGG	ACAGAACATCAT	CGAGTTGTTT	GAACACCCAA	CGATAGTCAA
	42541	CGTTTCCTCG	CACTTTGTGT	ATACCCCCGTC	CCCATACTG	TTCGCCCTGG	CCCAGGCGCA
	42601	CCTCCCCCGG	CTCCCGAGCT	CGCTGGAGGC	CCTGGTGAGC	GGCCTGTTTG	ACGGCATCCC
15	42661	CGCCCCACGC	CAGCCACTTG	ACGCCCACAA	CCCGGCCACG	GATGTGGTTA	TCACGGGCCG
	42721	CGCGCCCCCA	CGACCCATCG	CCGGGTCGGG	GGCAGGGTCG	GGGGGCGCGG	GCGCCAAGCG
	42781	GGCCACCGTC	AGCGAGTTCG	TGCAAGTCAA	ACACATTGAC	CGCGTGGGCC	CCGCTGGCGT
	42841	TTCGCCGGCG	CCTCCGCCAA	ACAAACACCGA	CTCGAGTTCC	CTGGTGCCCG	GGGCCAGGA
	42901	TTCCGCCCCG	CCCGGCCCA	CGCTAAGGGG	GCTGTGGTGG	GTGTTTATG	CCGCAGACCG
20	42961	GGCGCTGGAG	GAGCCCCGCG	CCGACTCTGG	CCTCACCCGC	GAGGAGGTAC	GTGCCGTACG
	43021	TGGGTTCCGG	GAGCAGGCGT	GGAAACTGTT	TGGCTCCGCG	GGGGCCCCGC	GGCGTTTAT
	43081	CGGGGCCGCG	TTGGGCCTGA	GCCCCCTCCA	AAAGCTAGCC	TTTACTACT	ATATCATCCA
	43141	CCGAGAGAGG	CGCCTGTCCC	CCTTCCCCGC	GCTAGTCCGG	CTCGTAGGCC	GGTACACACA
	43201	GCGCCACGGC	CTGTACGTCC	CTCGGCCCGA	CGACCCAGTC	TTGGCCGATG	CCATCAACGG
	43261	GCTGTTTCG	GACGCGCTGG	CGGCCGGAAC	CACAGCGAG	CAGCTCCTCA	TGTCGACCT
25	43321	TCTCCCCC	AAGGACGTGC	CGGTGGGAAG	CGACGTGCAG	GGCGACAGCA	CCGCTCTGCT
	43381	GCGCTTTATA	GAATCGCAAC	GTCTCGCCGT	CCCCGGGGGG	GTGATCTCCC	CCGAGCACGT
	43441	CGCGTACCTT	GGTGCCTTC	TGAGCGTGCT	GTACGCTGGC	CGCGGGCGCA	TGTCCGCAGC
	43501	CACGCACACC	GCGCGGCTGA	CAGGGGTGAC	CTCCCTGGTG	CTAGCGGTGG	GTGACGTGGA
	43561	CCGTCTTCC	GCCTTTGACC	GCAGGAGCGGC	GGGCGGGGCC	AGCCCCACGC	GGGCCGCCGG
30	43621	GTACCTGGAT	GTGCTCTTA	CCGTTCGTCT	CGCTCGCTCC	AAACACGGAC	AGTCTGTGTA
	43681	AAAGACCCCA	ATAAACGTAT	ATCGCTACTA	CACCCCTGTG	TGTCAATGGA	CGCCTCTCCG
	43741	GGGGGGGGGG	AGGGAAAGCA	AAGAGGGGCT	GGGGGAGCGG	CACCACCGGG	GCCTGAACAA
	43801	ACAAACCACA	GACACGGTTA	CAGTTTATTG	GGTCGGGCGG	AGAAAACGGCC	GAAGCCACGC
	43861	CCACTTTATT	CGCGTCTCCA	AAAAAAACGGG	ACACTTGTCC	GGAGAACCTT	TAGGATGCCA
35	43921	GCCAGGGCGG	CGGTAATCAT	AACCACGCC	AGCGCAGAGG	GGGCCAGAAA	CCCGGGCGCA
	43981	ATTGCGGCCA	CGGGCTCGGT	GTCAAAGGCT	AGCAAATGAA	TGACGGTTCC	GTGTTGAAAT
	44041	AGCAACAAGG	CCGTGGACGG	CACGTCGCTC	GAAAACACGC	TTGGGGCGCC	CTCCGTCGGC
	44101	CCGGCGCGA	TTTGCTGCTG	TGTGTTGTCC	GTATCCACCA	GCAACACAGA	CATGACCTCC
	44161	CCGGCCGGGG	TGTAGCGCAT	AAACACGGCC	CCCACGAGCC	CCAGGTCGCG	CTGGTTTTGG
40	44221	GTGCGCACCA	GCCGCTTGGG	CTCGATATCC	GGGGTGGAGC	CTTCGCATGT	CGCCGTGAGG
	44281	TAGGTTAGGA	ACAGTGGGCG	TCGGACGTG	ACGCCGGTGA	GCTTGTAGCC	GATCCCCCGG
	44341	GGCAGAGGGG	AGTGGGTGAC	GACGTAGCTG	GCGTTGTGGG	TGATGGGTAC	CAGGATCCGT
	44401	GGCTCGACGT	TGGCAGACTG	CCCCCCGCAC	CGATGTGAGG	CCTCAGGGAC	GAAGGCGCGG
	44461	ATCAGGGCGT	TGTAGTGTG	CCAACCGC	AGGGTCGAGG	CGAGGCCGTG	GGTCTGCTGG
45	44521	GCCAGGACTT	CGACCGGGGT	CTCGGATCGG	GTGGCTTGAG	CCAGCGCGTC	CAGGATAAAC
	44581	ACGCTCTCGT	CTAGATCAAA	GCGCAGGGAG	GCCGCGCATG	GCGAAAAGTG	GTCCCGAACG
	44641	CAAAGAGGG	TTTCTGGTG	GTGCGCCCGG	GCCAGCGCG	TCCGGAGGTC	GGCGTTGGTC
	44701	GCTCGGGCGA	CGTCGGACGT	ACACAGGGCC	GAGGCTATCA	GAAGGCTCCG	GCGGGCGCGT
	44761	TCCCCTGCA	CCGCCAGGG	GACGCCAGCC	AAGAACGGCT	GGCCGGAGGAC	AGCCGAGGCG
50	44821	TAAAATAGCG	CCCGGTGGAC	GACCGGGGTG	GTCAGCACGC	GGCCCCCTAG	AAACTCGGCA
	44881	TACAGGGCGT	CGATGAGATG	GGCTGCGCTG	GGCGCCACTG	CGTCGTACGC	CGAGGGGCTA
	44941	TCCAGCACGA	AGGCCAGCTG	ATAGCCCAGC	GGGTGTAATG	CCAAGCTCTG	TTCCGCGCTCC
	45001	AGAATCTCGG	CCACCAGGTG	CTGGAGCCGA	GCCTCTAGCT	GCAGGCGGGC	CGTGGGATCC
	45061	AAGACTGACA	CATTAAAAAA	CACAGAACATCC	GGGGCACAGC	CCGGGCCCCC	GGGGCGGCC
55	45121	AACCCGGCAA	GCGCGCGCGA	GTGGGCCAAA	AAGCCTAGCA	GGTCGGAGAG	GCAGACCGCG
	45181	CCGTTTGC	GGGCGCGT	CACGAAAGCA	AAACCCGACG	TCGCGAGGAG	CCCCGTTAGG
	45241	CGCCAGAAGA	GAGGGGGCG	CGGGCCCTGC	TCGGCGCCCG	CGTCCCCCGA	GAAAAAACTCC
	45301	GCGTATGCC	GCGACAGGAA	CTGGGCGTAG	TTCGTCCT	CCTCCGGGTA	GGCCGCCACG
	45361	CGGCGGAGGG	CGTCCAGCGC	GGAGCCGTG	TCGGCCCGCG	TCAGGGACCC	TAGGACAAAG
	45421	ACCCGATACC	GGGGGCCGCG	CGGGGGCCCG	GGAAGAGCCC	CCGGGGGGTT	TCGGTCCGCG
	45481	GGGTCCCCGA	CCCGATCTAG	CGTCTGGCCC	GGGGGGACCA	CCATCACTTC	CACCGGAGGG
	45541	CTGTCGTGCA	TGGATATCAC	GAGCCCCATG	AATTCCCGCC	CGTAGCGCGC	GCGCACCAGC
	45601	GCGGCATCGC	ACCCGAGCAC	CAGCTCCCCC	GTGCTCCAGA	TGCCCACGGG	CCACGTCGAG
	45661	GCCGACGGGG	AGAAATACAC	GTACCTACCT	GGGGATCTCA	ACAGGCCCCG	GGTGGCCAAC

	45721	CAGGTCGTGG	ACCGCGTTGT	CAGGTGCGTG	ATGTCCAGCT	CCGTCGTCGG	GTGCCGCCGG
	45781	GCCCCAACCG	GC GGTCGGGG	GGGCGGTGTA	TCACGCGGCC	CGCTCGGGTG	GCTCGCCGTC
5	45841	GCCACGTTGT	CTCCCCGCGG	GAACGTCAGG	GCCTCGGGGT	CAGGGACGGC	CGAAAACGTT
	45901	ACCCAGGCC	GGGAACGCA	CAACACGGAG	GC GGCTGGAT	TGTGCAAGAG	ACCCTTAAGG
	45961	GGGGCGACCG	AGGGGGGAGG	CTGGGCGGTC	GGCTCGACCG	TGGTGGGGGC	GGGCAGGCTC
	46021	GCGTTCGGGG	GCCGGCCGAG	CAGGTAGGTC	TTCGGGATGT	AAAGCAGCTG	GCCGGGGTCC
	46081	CGCGGAAACT	CGGCCGTGGT	GACCAATACA	AAACAAAAGC	GCTCCTCGTA	CCAGCGAAGA
	46141	AGGGGCAGAG	ATGCCGTAGT	CAGGTTTAGT	TCGTCCGGCG	GCGCCAGAAA	TCCGCGCGGT
10	46201	GGTTTTGGG	GGTCGGGGGT	GTTTGGCAGC	CACAGACGCC	CGGTGTTCGT	GTCGCGCCAG
	46261	TACATGCGGT	CCATGCCAG	GCCATCCAAA	AACCATGGGT	CTGTCTGCTC	AGTCAGTCG
	46321	TGGACCTGAC	CCCACGCAAC	GCCCAAATA	ATAACCCCCA	CGAACCATAA	ACCATTCCCC
	46381	ATGGGGGACC	CCGTCCCTAA	CCCACGGGGC	CCGTGGCTAT	GGCAGGGCTT	GCCGCCCGA
	46441	CGTTGGCTGC	GAGCCCTGGG	CCTTCACCCG	AACTGGGGG	TTGGGGTGGG	GAAAAGGAAG
15	46501	AAACGCGGGC	GTATTGGTCC	CAATGGGGTC	TCGGTGGGGT	ATCGACAGAG	TGCCAGCCCT
	46561	GGGACCGAAC	CCCGCGTTA	TGAACAAACG	ACCCAACACC	CGTGCCTTT	ATTCTGTCTT
	46621	TTTATTGCG	TCATAGCGCG	GGTTCCCTTC	GGTATTGTCT	CCTTCCTGT	TTCAGTTAGC
	46681	CTCCCCCATC	TCCCGGGCAA	ACGTGCGCAG	CAGGTGCGAG	ATCGTCGGTA	TGGAGCCTGG
	46741	GGTGGTGA	TGGGTCTGG	CCATCCCGGA	GGTAAGTTGC	AGCAGGGCGT	CCCAGCAGCC
	46801	GGCGGGCGAT	TGGTCGTAAT	CCAGGATAAA	GACATGCATG	GGACGGAGGC	GTGGGCCAA
20	46861	GACGTCCAAA	GCCCAGGCAA	ACACGTTATA	CAGGTGCGCG	TTGGGGGCCA	GCAACTCGGG
	46921	GGCCCGAAAC	AGGGTAATA	ACGTGTCCCC	GATATGGGT	CGTGGGCCCG	CGTTGCTCTG
	46981	GGGCTCGGCA	CCCTGGGGCG	GCACGGCCGC	CCCCGAAAGC	TGTCCCCAAT	CCTCCCGCCA
	47041	CGACCCGCG	CCCTGCAGAT	ACCGCACCGT	ATTGGCAAGC	AGCCCATAAA	CGCAGCGAAT
	47101	CGCGGCCAGC	ATAGCCAGGT	CAAGCGCTC	GCCGGGGCGC	TGGCGTTTG	CCAGGCGGTC
25	47161	GATGTGTCTG	TCCTCCGAA	GGGCCCCCAA	CACGATGTTT	GTGCCGGGCA	AGGTCGGCGG
	47221	GATGAGGGCC	ACGAACGCCA	GCACGGCTG	GGGGGTCA	CTGCCATAA	GGTATCGCGC
	47281	GGCCGGGTAG	CACAGGAGGG	CGGGCAGTGGG	ATGGCGGTG	AAGATGAGGG	TGAGGGCCGG
	47341	GGGCGGGGCA	TGTGAGCTCC	CAGCCTCCCC	CCCGATATGA	GGAGCCAGAA	CGCGTCGGT
	47401	CACGGCATAA	GGCATGCCA	TTGTTATCTG	GGCGCTTGT	ATTACCACCG	CCGCGTCCCC
30	47461	GGCCGATATC	TCACCCCTGGT	CGAGGCGGTG	TTGTGTGGTG	TAGATGTTG	CGATTGTC
	47521	GGAAAGCCCC	AAACACCGCC	AGTAAGTCAT	CGGCTCGGGT	ACGTAGACGA	TATCGTCGCG
	47581	CGAACCCAGG	GCCACCAGCA	GTTGCGTGGT	GGTGGTTTC	CCCATCCCGT	GGGGACCGTC
	47641	TATATAAAC	CGCAGTAGCG	TGGGCATT	CTGCTCCAGG	CGGACTTCG	TGGCTTTTG
	47701	TTGCCGGCGA	GGGCGCAACG	CCGTACGTG	GTTGTTATGG	CCGCGAGAAC	GCGCAGCCTG
35	47761	GTCGAACGCA	GACGCGTGT	GATGGCAGGG	GTACGAAGCC	ATACGCGCTT	CTACAAGGCG
	47821	CTGGCCGAAG	AGGTGCGGGA	GTTTCACGCC	ACCAAGATCT	GCGGCACGCT	GTTGACGCTG
	47881	TTAACGCGGT	CGCTGCA	GGG	TCGAGGCCA	CACGCGTCAC	CTTAATATGC
	47941	GAAGTGGACC	TGGGACCGCG	CCGCCCCGAC	TGCATCTGCG	TGTTGAAATT	CGCCAATGAC
	48001	AAGACGCTGG	GC GGTTTG	TGTGATCATA	GAAC	AAAGA	CATGCAAATA
40	48061	GGGGACACCG	CCAGCAAACG	CGAGCAACGG	GCCACGGGGA	TGAAGCAGCT	GCGCCACTCC
	48121	CTGAAGCTCC	TGCA	GGTACAAGA	TAGTGTACCT	GTGCCCGTC	
	48181	CTGGTGT	TCGCCAACG	GACGCTCCG	GTCAGCCGCG	TGACCCGGCT	CGTCCCGCAG
	48241	AAGGTCTCCG	GTAATATCAC	CGCAGTCGTG	CGGATGCTCC	AGAGCCTGTC	CACGTATAACG
	48301	GTCCCCATTG	AGCCTAGGAC	CCAGCGAGCC	CGTCGGCGCC	GCGCGGGCGC	CGCCCGGGGG
45	48361	TCTGCGAGCA	GACCGAAAAG	GTCACACTCT	GGGGCGCG	ACCCGCCCCG	GTCAGCGGCC
	48421	CGCCAGTTAC	CACCCGCCGA	CCAAACCCCC	ACCTCCACGG	AGGGCGGGGG	GGTGCTTAAG
	48481	AGGATCGCGG	CGCTCTCTG	CGTGGCCGTG	GCCACCAAGA	CCAAACCCCC	AGCCGCTCC
	48541	GAATGAGAGT	GTTTGTGTT	TTCCCCCTC	CCCCCGGTCA	GACAAACCT	AACCACCGCT
	48601	TAAGCGGCC	CCGCGAGGTC	CGAAGACTCA	TTTGGATCCG	GGGGGAGGCC	CCCGACAACA
50	48661	GCCCCCGGGT	TTTCCACGC	CAGACGCCG	TCCGCTGTG	CATCGCGCCC	CCTCATCCCC
	48721	CCCCCCATC	TGTCCCCAAA	TAAAACAAGG	TCTGGTAGTT	AGGACAACGA	CCGCAGTTCT
	48781	CGTGTGTTAT	TTTCGCTCTC	CGCCTCTCGC	AGATGGACCC	GTACTGCCA	TTTGACGCTC
	48841	TGGACGTCTG	GGAACACAGG	CGCTTCATAG	TCGCGGATT	CCGAAACCT	ATCACCCCCG
	48901	AGTTCCCCCG	GGAC	TTTGG	TCTTAAACCT	CCCCCGGGAG	ACGGCGGGCGG
55	48961	AGCAGGTGGT	CGTCCTACAG	GCCCAGCGCA	CAGCGGCTGC	CGCTGCCCTG	GAGAACGCCG
	49021	CCATCGAGGC	GGCCGAGCTC	CCCGTCGATA	TCGAGCGCCG	GTTACGCCCC	ATCGAACCGGA
	49081	ACGTGCACGA	GATCGCAGG	GCCCTGGAGG	CGCTGGAGAC	GGCGCGGCC	GCCGCCGAAG
	49141	AGGCGGATGC	CGCGCGCGGG	GATGAGCCGG	CGGGTGGGGG	CGACGGGGGG	GCGCCCCCGG
	49201	GTCTGCCGT	CGCGGAGATG	GAGGTCCAGA	TCGTGCGCAA	CGACCCGCCG	CTACGATAACG

	49261	ACACCAACCT	CCCCGTGGAT	CTGCTACACA	TGGTGTACGC	GGGCCGCGGG	GCGACCGGCT
	49321	CGTCGGGGGT	GGTGTTCGGG	ACCTGGTACC	GCACTATCCA	GGACCGCACC	ATCACGGACT
	49381	TTCCCCTGAC	CACCCGCAGT	GCCGACTTTC	GGGACGGCCG	TATGTCCAAG	ACCTTCATGA
5	49441	CGGCGCTGGT	ACTGTCCCTG	CAGGCGTGCG	GCCGGCTGTA	TGTGGGCCAG	CGCCACTATT
	49501	CCGCCCTCGA	GTGCGCGTG	TTGTGTCTCT	ACCTGCTGTA	CCGAAACACG	CACGGGGCCG
	49561	CCGACGATAG	CGACCGCGCT	CCGGTCACGT	TCGGGGATCT	GCTGGGCCGG	CTGCCCGCT
	49621	ACCTGGCGTG	CCTGGCCGCG	GTGATCGGGA	CCGAGGGCGG	CCGGCCACAG	TACCGCTACC
	49681	GCGACGACAA	GCTCCCCAAG	ACCGAGTTCG	CGGCCGGCGG	GGGCCGCTAC	GAACACGGAG
10	49741	CGCTGGCGTC	GCACATCGTG	ATCGCCACGC	TGATGCACCA	CGGGGTGCTC	CCGGCGGCC
	49801	CGGGGGACGT	CCCCCGGGAC	GCGAGTACCC	ACGTTAACCC	CGACGGCGTG	GCGCACCAACG
	49861	ACGACATAAA	CCGCGCCGCC	GCCGCGTTCC	TCAGCCGGG	CCACAACCTA	TTCCTGTGGG
	49921	AGGACCAGAC	TCTGCTGCGG	GCAACCGCGA	ACACCATAAC	GGCCCTGGGC	GTTATCCAGC
	49981	GGCTCCTCGC	GAACGGCAAC	GTGTACGCGG	ACCGCCTCAA	CAACCGCCTG	CAGCTGGGCA
15	50041	TGCTGATCCC	CGGAGCCGTC	CCTTCGGAGG	CCATCGCCCG	TGGGGCCTCC	GGGTCCGACT
	50101	CGGGGGCCAT	CAAGAGCGGA	GACAACAATC	TGGAGGCGCT	ATGTGCCAAT	TACGTGCTTC
	50161	CGCTGTACCG	GGCCGACCCG	GCGGTGCGAC	TGACCCAGCT	GTTTCCCGGC	CTGGCCGCC
	50221	TGTGTCTTGA	CGCCCAGGCG	GGGCGGCCGG	TCGGGTCGAC	GCGGCGGGTG	GTGGATATGT
	50281	CATCGGGGGC	CCGCCAGGCG	GCCGCTGGTGC	GCCTCACCGC	CCTGGAACCTC	ATCAACCGCA
20	50341	CCCCCACAAA	CCCCACCCCT	GTGGGGGAGG	TTATCCACGC	CCACGACGCC	CTGGCGATCC
	50401	AATACGAACA	GGGGCTTGGC	CTGCTGGCGC	AGCAGGCACG	CATTGGCTTG	GGCTCCAACA
	50461	CCAAGCGTTT	CTCCCGGTTTC	AACGTTAGCA	GCGACTACGA	CATGTTGTAC	TTTTTATGTC
	50521	TGGGGTTCAT	TCCACAGTAC	CTGTCGGCGG	TTTAGTGGGT	GGTGGGCCAG	GGGGGAGGGG
	50581	GCATTAGGGA	AAAAAAACAA	GAGCCTCCGT	TGGGTTTTCT	TTGTGCTGT	ACTCAAAGG
25	50641	TCATACCCCG	TAAACGGCGG	GCTCCAGTCC	CGGCCCGGCG	GTTGGCGTGA	ACCGAACGGC
	50701	GGGAGCTGGG	TTAGCGTTA	GTTTAGCATT	CGCTCTCGCC	TTTCCGCCCG	CCCCCGGACC
	50761	GTTGCGCCTT	TTTTTTTTTC	GTCCACCAAA	GTCTCTGTGG	GTGCGCGCAT	GGCAGCCGAT
	50821	GCCCCGGGAG	ACCGGATGGA	GGAGCCCCCTG	CCCGACAGGG	CCGTGCCCCAT	TTACGTGGCT
	50881	GGGTTTTTGG	CCCTGTATGA	CAGCGGGGAC	TCGGGCGAGT	TGGCATTGGA	TCCGGATACG
30	50941	GTGCGGGCGG	CCCTGCCTCC	GGATAACCCA	CTCCCGATT	ACGTGGACCA	CCGGCGCTGGC
	51001	TGCGAGGTGG	GGCGGGTGCT	GGCCGTGGTC	GACGACCCCC	GGGGGCCGTT	TTTTGTGGGG
	51061	CTGATCGCCT	CGGTGCGACT	GGAGCGCGTC	CTCGAGACGG	CCGCCAGCGC	TGCGATTTTC
	51121	GAGCGCCGCG	GGCCGCCGCT	CTCCCCGGGAG	GAGCGCTGT	TGTACCTGAT	CACCAACTAC
	51181	CTGCCCTCGG	TCTCCCTGGC	CACAAAACGC	CTGGGGGGCG	AGGCGCACCC	CGATCGCACG
35	51241	CTGTTCGCGC	ACGTGCGCCT	GTGCGCGATC	GGGCGCGGCC	TCGGCACTAT	CGTCACCTAC
	51301	GACACCGGTC	TCGACGCCGC	CATCGCGCCC	TTTCGCCACC	TGTCGCCGGC	GTCTCGCGAG
	51361	GGGGCGCGGC	GAATGGCCGC	CGAGGCCGAG	CTCGCGCTGT	CCGGGCGCAC	CTGGGCGGCC
	51421	GGCGTGGAGG	CGCTGACCCA	CACGCTGCTT	TCCACGCCG	TTAACAAACAT	GATGCTGCGG
	51481	GACCGCTGGA	GCCTGGTGGC	CGAGCGGCCG	CCGCAGGCCG	GGATCGCCGG	ACACACCTAC
40	51541	CTCCAGGCGA	GCGAAAAATT	CAAAATGTGG	GGGGCGGAGC	CTGTTCCCGC	GCCGGCGCGC
	51601	GGGTATAAAGA	ACGGGGCCCC	GGAGTCCACG	GACATACCGC	CCGGCTCGAT	CGCTGCCGCG
	51661	CCGCAGGGTG	ACCGGTGCC	AATCGTCCGT	CAGCGCGGGG	TCGCCTTGTC	CCCGGTACTG
	51721	CCCCCCATGA	ACCCCCTTCC	GACATCGGGC	ACCCCGGCC	CCGCGCCGCC	CGGCGACGGG
	51781	AGCTACCTGT	GGATCCCGC	CTCCCATTA	AACCAGCTCG	TCGCCGGCCA	TGCGCGGCC
45	51841	CAACCCCAGC	CGCATTCCGC	GTTTGGTTTC	CCGGCTCGGG	GGGGGTCCGT	GGCTATGGG
	51901	CCTCACGGTG	CGGGTCTTTC	CCAGCATTAC	CCTCCCCACG	TCGCCCCATCA	GTATCCCGGG
	51961	GTGCTGTTCT	CGGGACCCAG	CCCACTCGAG	GCGCAGATAG	CCGCGTTGGT	GGGGGCCATA
	52021	GCCCGGGACC	GCCAGGGCGG	CGGTCAAGCCG	GCCGCGGGAG	ACCCCTGGGT	CCGGGGGTGCG
	52081	GGAAAGCGTC	GCCGGTACGA	GGCGGGGCCG	TCGGAGTCCT	ACTGCGACCA	GGACGAACCG
50	52141	GACCGGGACT	ACCCGTACTA	CCCCGGGGAG	GCTCGAGGCG	CGCCGCGCGG	GGTCGACTCC
	52201	CGGCGCGCGG	CCCGCCATT	TCCCAGGAC	AACGAGACCA	TCACGGCGCT	GATGGGGGCG
	52261	GTGACGTCTC	TGCAGCAGGA	ACTGGCGCAC	ATGCGGGCTC	GGACCGAGCG	CCCTTATGGA
	52321	ATGTACACGC	CGGTGGCGCA	CTATCGCCCT	CAGGTGGGG	AGCCGGAAC	AAACACGACC
	52381	CACCCGGCCC	TTTGTCCCCC	GGAGGCCGTG	TATGCCCCC	CACCACACAG	CGCCCCCTAC
55	52441	GGTCCCTCCCC	AGGGTCCCGC	GTCCCATGCCC	CCCACCCCC	CGTATGCCCC	AGCTGCCCTGC
	52501	CCGCCAGGCC	CGCCACCGCC	CCCATGTCCT	TCCACCCAGA	CGCGCGCCCC	TCTACCGACG
	52561	GAGCCCGCGT	TCCCCCCC	CGCCACCGGA	TCCCAACCGG	AGGCATCAA	CGCGGAGGCC
	52621	GGGGCCCTTG	TCAACGCCAG	CAGCGCAGCA	CACGTGGACG	TTGACACGGC	CCGCGCCGCC
	52681	GATTGTTCG	TCTCTCAGAT	GATGGGGGCC	CGCTGATTG	CCCCGGTCTT	TGGTACCATG
	52741	GGATGTCTTA	CTGTATATCT	TTTTAAATAA	ACCAGGTAAT	ACCAAATAAG	ACCCATTGGT

	52801	GTATGTTCTT	TTTTTATTGG	GAGGCGCGGG	TAGGCGGGTA	GCTTTACAAT	GCAAAAGCCT
	52861	TCGACGTGGA	GGAAGGCGTG	GGGGGGGGGG	GAATCGGCAC	TGACCAAGGG	GGTCGTTTT
	52921	GTCACGGGAA	AGGAAAGAGG	AAACAGGCCG	CGGACACCCG	GGGGAGTTTG	TGTTCCCTTT
5	52981	TCTTCTTCC	CACACACACA	AAAGGCGTAC	CAAACAAACA	AACCAAAAGA	TGCACATGCG
	53041	GTTAACACC	CGTGGTTTT	ATTACAACA	AACCCCCCAT	CACAGGTCGT	CCTCGTCGGC
	53101	GTCACCGTCT	TTGTTGGGAA	CTTGGGTGTA	GTTGGTGTG	CGGCGCTTGC	GCATGACCAT
	53161	GTCGGTGACC	TTGGCGCTGA	GCAGCGCGCT	CGTGCCCTTC	TTCTTGGCCT	TGTGTTCCGT
	53221	GCGCTCCATG	GCAGACACCA	GGGCCATGTA	CCGTATCATC	TCCCGGGCT	CGGCTAGCTT
10	53281	GGCCTCGTCA	AAGTCGCCGC	CCTCCTCGCC	CTCCCCGGAC	GCGTCCGGGT	TGGTGGGGTT
	53341	CTTGAGCTCC	TTGGTGGTTA	GCGGGTACAG	GGCCTTCATG	GGGTTGCTCT	GCAGCCGCAT
	53401	GACGTAGCGA	AAGGCGAAGA	AGGCCGCCGC	CAGGCCGGCC	AGGACCAACA	GACCCACGGC
	53461	CAGCGCCCCA	AAGGGGTTGG	ACATGAAGGA	GGACACGCC	GACACGGCCG	ATACCACGCC
	53521	GCCCACGATG	CCCATCACCA	CCTTGGCGAC	CGCGCGCCCC	AGGTCGCCA	TCCCCTCGAA
	53581	GAACCGCGCC	AGGCCCGCAA	ACATGGCGGC	GTTGGCGTCG	GCGTGGATGA	CCGTGTCGAT
15	53641	GTCGGCGAAG	CGCAGGTCTG	GCAGCTGGTT	GCGGCCTG	ACCTCCGTGT	AGTCCAGCAG
	53701	GCCGCTGTCC	TTGATCTCGT	GGCGGGGTGTA	CACCTCCAGG	GGGACAAACT	CGTGATCCTC
	53761	CAGCATGGTG	ATGTTGAGGT	CGATGAAGGT	GCTGACGGTG	GTGATGTCGG	CGCGGCTCAG
	53821	CTGGTGGGAG	TACGCGTACT	CCTCGAAGTA	CACGTAGCCC	CCACCGAAGG	TGAAGTAGCG
	53881	CCGGTGTCCC	ACGGTGCACG	GCTCGATCGC	ATCGCGCGTC	AGCCGCAGCT	CGTTGTTCTC
20	53941	CCCCAGCTGC	CCCTCGACCA	ACGGGCCCTG	GTCTCGTAC	CGAAAGCTGA	CCAGGGGGCG
	54001	GCTGTAGCAG	GCCCCGGGCC	GCGAGCTGAT	GCGCATCGAG	TTTTGGACGA	TCACGTTGTC
	54061	CGCGCGCACC	GGCACCCACG	TGGAGACGGC	CATCACGTCG	CCGAGCATCC	GCGCGCTCAC
	54121	CCGCCGGCCC	ACGGTGGCCG	AGGCGATGGC	GTTGGGGTTC	AGCTTGGGG	CCTCGTTCCA
	54181	CAGGGTCAGC	TCGTGATTCT	GCAGCTCGCA	CCACCGCAGT	GCAACGGCC	CCAACATATC
25	54241	GTTGACATGG	CGCTGTATGT	GGTTGTACGT	AAACTGCAGC	CTGGCGAAGT	CGATGGAGGA
	54301	GGTGGTCTTG	ATGCGCTCCA	CGGACCGT	GGCGCTGGCC	CCGGCGGGCG	GGGGCGCTGGG
	54361	GTGTTGGGGC	TTGCGGCTCT	GCTCGCGGAG	GTGTTCCCGC	ACGTACAGCT	CCGCGAGCGT
	54421	GTTGCTGAGA	AGGGGCTGGT	ACGCGATCAG	AAAGCCCCCA	TTGGCCAGGT	AGTACTGCGG
	54481	CTGGCCCACC	TTGATGTGCG	TCGCCTTGT	CCTGCAGGGCG	AAGATGCGGT	CCATGGCGTC
30	54541	CGGGCGTCC	TTGCCGATGC	AGTCCCCCAG	GTCCACCGC	GAGAGCGGGT	ACTCGGTACG
	54601	GTTGGTGGTG	AAGGTGGTGG	ATATGGCGTC	GGAAGAGAAT	CGGAAGGAGC	CGCCGTACTC
	54661	GGAGCGCAGC	ATCTCGTCCA	CCTCCTGCCA	CTTGGTCATG	GTGCAGACCG	ACGGGCCTT
	54721	TGGCACCCAG	TCCCAGGCCA	CGGTGAACCT	GGGGGTCGTG	AGCAGGTTCC	GGGTGGTCGG
	54781	CGCCGTGGCC	CGGGCCTTGG	TGGTGAGGTC	GCGCGCGTAG	AAGCCGTCGA	CCTGTTGAA
35	54841	GCGGTGGCG	GCGTAGCTGG	TGTGTTCGGT	GTGCGACCCC	TCCCAGTAGC	CGTAAAACGG
	54901	GGACATGTAC	ACAAAGTCGC	CAGTCGCCA	CACAAACTCG	TGTCACGGGT	ACACCGAGCG
	54961	CGCGTCCACC	TCCTCGACGA	TGCACTTTAC	CGTCGTCCCG	TACCGGTGGA	ACGCCTCCAC
	55021	CCGCGAGGGG	TTGTACTTGA	GGTCGGTGGT	GTGCCAGCCC	CGGCTCGTGC	GGGTGCGGGC
	55081	GTTGGCCGGT	TTCACTCCA	TGTCGGTCTC	GTGGTCGTCC	CGGTGAAACG	CGGTGGTCTC
40	55141	CAGGGTGTGTT	CGCACGTACT	TGGCCGTGGA	CCGACAGACC	CCCTTGGCGT	TGATCTTGTC
	55201	GATCACCTCC	TCGAAGGGGA	CGGGGGCGCG	GTCCCTCAAAG	ATCCCCATAA	ACTGGGAGTA
	55261	GCGGTGGCCG	AACCACACCT	CGCAAACGGT	GACGTCTTTC	TAGTACATGG	TGGCTTGAA
	55321	CTTGTACGGG	GCGATGTTCT	CCTTGAAGAC	CACCGCGATG	CCCTCCGTGT	AGTCTGACC
	55381	CTCGGGCCGG	GTCGGGCAGC	GGCGCGGGCTG	CTCGAAGTGC	ACCACCGTGG	CGCCCGTGGG
45	55441	GGGTGGGCAC	ACGTAAAAGT	TTGCATCGGT	GTTCTCCGCC	TTGATGTCCTC	GCAGGTGCTC
	55501	GCGCAGGGTG	GCGTGGCCCG	CGCGACGGT	CGCGTTGTCG	CGGGCGGGGG	GCGGCGGCTT
	55561	TGGGGGTTTC	GGTTTCTGT	TCTTCTTCGG	TTTCGGGTCC	CCCGTTGGGG	GGGCGCCAGG
	55621	GGCGGGCGGC	GCGGGAGTGG	CAGGGCCCCC	GTCGCCGCC	TGGGTCGCGG	CCGCGACCCC
	55681	AGGCGTGCCG	GGGGAACCTCG	GAGCCGCCGA	CGCCACCAAG	ACCCCCAGCG	TCAACCCCAA
50	55741	GAGGCCCAT	ACGACGAACC	ACCGGCC	CCGCGCGGGG	GCGCCCTGGC	GCATGGCGGG
	55801	ACTACGGGGG	CCCCTCGTGC	CCCCCGTCAG	GTAGCCTGGG	GGCGAGGTGC	TGGAGGACCG
	55861	AGTAGAGGAT	CGAGAAAACG	TCTCGGTG	AGACCAACGAC	CGACCGGGGG	CCGATACAGC
	55921	CGTGGGGGGC	GCTCTCGACG	ATGGCCACCA	GCGGACAGTC	GGAGTCGTAC	GTGAGATATA
	55981	CGCGGGCGGG	GTAACGGTAA	CGACCTTCGG	AGGTCGGGCG	GCTGCAGTCC	GGGCGGGCGCA
55	56041	ACTCGAGCTC	CCCACCGG	TAGACCGAGG	CAAAGAGTGT	GGTGGCGATA	ATCAGCTCGC
	56101	GAATATATCG	CCAGGCGGCG	CGCTGAGTGG	GGCTTATTCC	GGAAATGCCG	TCAAAACAGT
	56161	AAAACCTCTG	AAATTGCGT	ACGGCCCAAT	CAGCACCCGA	GCCCCCGGCC	CCCATGATGA
	56221	ACCGGGCGAG	CTCCTCTTC	AGGTGCGGCA	GGAGCCCCAC	GTTCTCGACG	CTGTAATACA
	56281	GCGCGGTGTT	GGGGGGCTGG	GCGAAGCTGT	GGGTGGAGTG	ATCAAAGAGG	GGCCCGTTGA

	56341	CGAGCTCGAA	GAAGCGATGG	GTGATGCTGG	GGAGCAGGGC	CGGGTCCACC	TGGTGTGCA
	56401	GGAGAGACGC	TCGCATGAAC	CGGTGCGCGT	CGAACACGCC	CGGCGCCGAG	CGGTTGTCGA
	56461	TGACCGTGCC	CGCGCCCCGC	GTCAGGGCGC	AGAACGCGC	GCGCGCCGCA	AAGCCGTTGG
5	56521	CGACCCGCGC	GAACGTCGCG	GGCAGCACCT	CGCCGTGGAC	GCTGACCCGC	AGCATCTTCT
	56581	CGAGCTCCCC	GCGCTGCTCG	CGGACGCAGC	GCCCCAGGCT	GGCCAACGAC	CGCTTCGTC
	56641	GGCGGTCCGC	GTACAGCCGC	CGTCGCTCCC	GCACGTCCGC	GGCGCCTTGC	GTGGCGATG
	56701	CCCCCCCACGT	CTCGGGCCCC	TGCCCCCCC	GCCCCGGCG	ACGGTCTTCG	TCCTCGCCCC
	56761	CGCCCCCGGG	AGCTCCCAAC	CCCCGTGCC	CTTCCTCTAC	GGCGACACGG	TCCCCGTC
10	56821	CGTCCCCGCC	CGCGCCGCC	TTGGGCGCGT	CCGCCGCGCC	CCCCGCC	ATGCGCGCA
	56881	GCACCGCAGC	CAGCGCTCC	TCGTCGCACT	GTTCGGGCT	GACGAGGCG	CGCAAGAGCG
	56941	GCGTCGTCAG	GTGGTGGTCG	TAGCACGCG	GGATGAGCG	CTCGATCTGA	TCGTCGGGTG
	57001	ACGTGGCCTG	ACCGCCGATT	ATTAGGGCGT	CCACCATATC	CAGCGCCGCC	AGGTGGCTCC
	57061	CGAACCGCGC	ATCGAAATGC	TCCGCCGCC	GCCCCAACAG	CGCCAGTCC	ACGCCACCG
15	57121	CGGCGGTCTC	CTGCTGCAAC	TCGCGCCGCG	CCAGCGCGT	CAGGTTGCTG	GCAAACGCGT
	57181	CCATGGTGGT	CTGGCCGGCG	CGGTGCGCCGG	ACGCGAGCCA	GAATCGCAAT	TCGCTGATGG
	57241	CGTACAGGCC	GGGCGTGGTG	GCCTGAAACA	CGTCGTCGCG	CTCCAGCAGG	GCGTCGGCCT
	57301	CCTTGGGAC	CGAGTCGTT	TCGGGCGACG	GGTGGGGCTG	CCCCTGCC	CCCGCGGTCC
	57361	GGGCCAGCGC	ATGGTCCAAC	ACGGAGAGCG	CCCGCGCGC	GTCGGCGTCC	GACAGCCC
	57421	CGGCGTGGGG	CAGGTACCGC	CGCAGCTCGT	TGGCGTCCAG	CCGCACCTGC	GCCTGCTGGG
20	57481	TGACGTGGTT	ACAGATAACGG	TCCGCCAGGC	GGCGGGCGAT	CGTCGCC	TGGTTCGCCG
	57541	TCACACACAG	TTCCCTGAAA	CAGACCGCGC	AGGGGTGGGA	CGGGTCGCTA	AGCTCCGGG
	57601	GGACGATAAG	GCCCCACCCC	ACCGCCCCCA	CCATAAAACTC	CCGAACGCG	TCCAGCGCG
	57661	CGGTGGCGCC	GCGCGAGGGG	GTGATGAGGT	GGCAGTAGTT	TAGCTGCTT	AGAAAGTTCT
	57721	CGACGTCGTG	CAGGAAACAC	AGCTCCATAT	GGACGGTCCC	GCCATACGTA	TCCAGCCTGA
25	57781	CCCGTTGGTG	ATACGGACAG	GGTCGGGCCA	GGCCCATGGT	CTCCGTAAA	AACGCCGCGA
	57841	CGTCTCCC	GGTCGCGAAC	GTCTCCAGGC	TGCCCAGGAG	CCGCTGCC	TCGCGCCACG
	57901	CGTACTCTAG	CAGCAACTCC	AGGGTACCG	ACAGCGGGT	GAGAAAGGCC	CCGGCCTGGG
	57961	CCTCAGGCC	CGGCCTCAGA	CGACGCCGCA	GCGCCCGCAC	CTGAAGCGCG	TTCAGCTTCA
	58021	GTTGGGGAG	CTTCCCCCGT	CCGATGTGGG	GGTCCGACCG	CCGGAGCAGC	TCTATCTGAA
30	58081	ACACATAGGT	CTGCACCTGC	CCGAGCAGGG	CTAACAACTT	TTGACGGGCC	ACGGTGGGCT
	58141	CGGACACCGG	GGCGGCCATC	TCGCGGCC	GATCTGTACC	GCGGCCGGAG	TATGCGGTGG
	58201	ACCGAGGCCG	TCCGTACGCT	ACCCGGCGTC	TGGCTGAGCC	CCGGGGTCCC	CCTCTTCGGG
	58261	GCGGCCCTCCC	GCGGGCCCGC	CGACCGGCAA	GCGGGAGTC	GGCGGCCGCGT	GCGTTCTGC
	58321	TCTATTCCCA	GACACCGCGG	AGAGGAATCA	CGGCCC	AGAGATATAG	ACACGGAACA
35	58381	CAAACAAGCA	CGGATGTCGT	AGCAATAATT	TATTTTACAC	ACATTCCCC	CCCCGCCCTA
	58441	GGTCCCCCCC	CCCCCCCAACC	CCTCACAGCA	TATCCAACGT	CAGGTCTCCC	TTTTTGTGCG
	58501	GGGGCCCCCTC	CCCAAACGGG	TCATCCCCGT	GGAACGCC	TTTGC	GCAAATGCCG
	58561	GTCCCGGGGC	CCCCGGGCCG	CCGAACGGCG	TCGCGTTGTC	GTCCTCGCAG	CCAAAATCCC
	58621	CAAAGTTAAA	CACCTCCCCG	GCGTTGCCGA	GTTGGCTGAC	TAGGGCTCG	GCCTCGTGC
40	58681	CCACTCTCCAG	GGCCGCGTCC	GTGCGACCACT	CGCCGTTGCC	GCGCTCCAGG	GCACCGCGCG
	58741	TCAGCTCCAT	CATCTCTCG	CTTAGGTACT	CGTCCTCCAG	GAGGCCAGC	CAGTCCTCGA
	58801	TCTGCAGCTG	CTGGGTGCGG	GGCCCCAGGC	TTTTACG	CGCCACGAA	ACGCTACTGG
	58861	CGACGGCCGC	CCC	GAGATAATGC	CCC	GAGCTTCTG	GTGACGCGC
	58921	GCGCTCCG	GGCGAGGCTT	GAGGCCGCGC	ACACAAACCC	GGCCCGGGGA	CAGGCCAGGA
45	58981	CGAACATTGCG	GGTGC	AAAATAAGGA	GC	GT	CCC
	59041	TGGCCCAGTT	CCCGGCTG	AAACACACGGT	GG	TTTT	ATC
	59101	TGCTCAACCC	CAACACGACC	ATGGGGCGCG	CCG	GC	ATG
	59161	TGGCGAACAT	GGACG	GGAT	GG	GG	GGC
	59221	CCCCGGCCTC	CAGGCCG	CCGCC	GG	GG	GGC
50	59281	GGGGACGGCG	GGACCCCGC	ATGATGGCCG	TAAGGGT	GATGAAGT	GTGAGTGAT
	59341	CGCAGTACCG	CAGAATCTGG	TTTGCATGT	AGTACATCGC	CAGTCGCTC	ACGTTGTTGG
	59401	GGGCCAGGTT	AATAAAAGTT	ATCGCGCCG	AGTCAGGG	AAAC	ATGAACGCGA
	59461	TGGTCTCGAT	GTCCTCGC	GACAGGAGCC	GGG	CTGG	TGGAGGGCCG
	59521	TCCAGAACCA	CTGCGGGTTC	GGCTGGTTGG	ACCC	GGC	GGGAAGATGG
55	59581	CCCGCGTGGAA	CTGCTTCAGC	AGAAAGCCCA	GC	GAG	ACCGC
	59641	CGGGCTTCTG	GTAGGCGCTC	TGGAGGCTG	GG	GT	CGGACGCG
	59701	TGGCGCTCGC	GCCCGCGAAC	AAACACGCGC	TCTTGACGCG	CAGTC	GGAAACCCCCA
	59761	GGGTCAACGCG	GGCAACGTCG	CCCTCGAAGC	TGCTCTCGC	GGGG	TGGCCGGCCG
	59821	TTAGGCTGGG	GGCGCAGATA	GGCGCCCCCT	CCGAGAGCGC	GACCGTCAGC	GTTTGGCCG

	59881	ACAGAAACCC	GTTGTTAAC	ATGTCCATCA	CGCGCCGCCG	CAGCACCGGT	TGGAATTGAT
	59941	TGCGAAAGTT	GCGCCCTCG	ACCGACTGCC	CGCGAACAC	CCCCTGGCAC	TGACTCAGGG
5	60001	CCAGGTCTG	GTACACGGCG	AGGTTGGATC	GCCGCCCGAG	AAGCTGAAGC	AGGGGGCACG
	60061	GCCCCCACGC	GTACGGGTCC	ACCGTCAGGG	ACATGGCGTG	GTTGGCCTCG	CCCAGACCGT
60121	CGCGAAACTT	GAAGTTCTC	CCCTCCACCA	GGTTGCGCAT	CAGCTGCTCC	ACCTCGCGGT	
60181	CCACGACCTG	CCTGACGTTG	TTCACCAACG	TATGCAGGGC	CTCGCGGTTG	GTGATGATGG	
60241	TCTCCAGCCG	CCCCATGGCC	GTGGGGACCG	CCTGGTCCAC	GTACTGCAGG	GTCTCGAGTT	
60301	CGGCCATGAC	GCGCTCGGTC	GCCGCCGGT	ACGTCTCCTG	CATGATGGTC	CGGGCGGTCT	
60361	CGGATCCGTC	CGCGCGCTTC	AGGGCCGAGA	AGGCGCGTA	GTTTCCCAGC	ACGTCGCAGT	
60421	CGCTGTACAT	GCTGTTCATG	GTCCCGAAGA	CGCCGATGGC	TCCCGGGCG	GCGCTGGCGA	
60481	ACTTTGGATG	GCGCGCCCGG	AGGCGCATGA	CGCTCGTGTG	TACGCAGGCG	TGGCGCGTGT	
60541	CGAAGGTGCA	TAGGTTACAG	GGCACGTCGG	TCTGGTTGGA	GTCCCGACG	TATCGAAACA	
60601	CGTCCATCTC	CTGGCGCCCG	ACGATCACGG	CGCCGTCGCA	GCGCTCCAGG	AAAAACAGCA	
60661	TCTGGGCCAG	CAGCGCCGGG	GAAAACCCAC	ACAGCATGGC	CAGGTGCTCG	CCGGCAAATT	
60721	CCTGGGTTCC	GCCGACCGAGG	GGCGCGGTGG	GCCGACCCCTC	GAACCCGGGC	ACCACGTGTC	
60781	CCTCGCGGTC	CACCTGTGGG	TTGGCCGCCA	CGTGGGTCCC	GGGCACGAGG	AAGAACGGGT	
60841	AAAAGGAGGG	TTTGCTGTGG	TCCTTTGGGT	CCGCCGGGCC	GGCGTCGTCC	ACCTCGGTGA	
60901	GATGGAGGGC	CGAGTTGGTG	CTAAATACCA	TGGCCCCCAC	GAGTCCCACG	GCGCGCGCCA	
60961	GGTACGCCCC	GACGGCGTTG	GGCGGGGCCG	CGGCCGTGTC	CTGGCCCTCG	AACAGCGGCC	
61021	ACCGGGAGAT	GTCGGTGGGC	GGCTCGTCAA	AGACGGCCAT	CGACACGATA	GACTCGAGGG	
61081	CCAGGGCGGC	GTCTCCGGCC	ATGACGGAGG	CCAGGCCTG	TTCGAACCCG	CCCGCCGCGC	
61141	CCTTGCCGCC	GCCGTCCGCG	CCGCCCCGCG	GGGTCTTAC	CTGGCTGGCT	TCGAAGGCCG	
61201	TGAACGTAAT	GTCGGCGGGG	AGGGCGGCGC	CCTCGTGGTT	TTCGTAAAC	GCCAGGTGGG	
61261	CGGCCGCGCG	GGCCACGGCG	TCCACGTTTC	GGCATCGCAG	TGCCACGGCG	GCGGGTCCCA	
61321	CGACCGCCTC	GAACAGGAGG	CGGTTGAGGG	GGCGGTTAAA	AAACGGAAGC	GGGTAGGTAA	
61381	ATTTCTCCCC	GATCGATCGG	TGTTTGGCGT	TGAACGGCTC	TGCGATGACA	CGGCTAAAAT	
61441	CCGGCATGAA	CAGCTCCAAC	GGGTACACGG	GTATCGGTG	CACCTCCGCG	CCGCCTATGG	
61501	TTACCTTGTC	CGAGCCTCCC	AGGTGCAGAA	AGGTGTTGTT	GATGCACACG	GCCTCCTTGA	
61561	AGGCCCTCGGT	AACGACCAGA	TACAGGAGGG	CGCGGTCCGG	GTCCAGGCCG	AGGCGCTCAC	
61621	ACAGCGCCTC	CCCCGTCGTC	TCGTGTTGA	GGTCCCGGGG	CCGGGGGGTG	TAGTCCGAAA	
61681	AGCCAAAATG	GCGGCGTGCC	CGCTCGCAA	GTCGCGTCAG	GTTCGGGGCC	TGGGTGCTGG	
61741	GGTCAGGTG	CCGGCCGCCG	TGAAAGACGT	ACACGGACGA	GCTGTAGTGC	GAGGGCGTCA	
61801	GTTCAGGGA	CACCGGGTA	CCCCCGAGCC	CCGTCGTGCG	AGAACCCACG	ACCACGGCCA	
61861	CGTGGGCCCTC	AAAGCCGCTC	TCCACGGTCA	GGCCCCACGAC	CAGGGGGGCC	ACGGCGACGT	
61921	CGGAATCGCC	GCTCGTGCC	GACAGTAACG	CCAGAACGTC	GATGCCCTCG	GACGGACACG	
61981	CGCGAGCGTA	CACGTATCCC	AGGGGCCCGG	GGGGGACCTT	GATGGTGTT	GCGTCTTGG	
62041	GCTTTGTCTC	CATGTCTTT	TGTCATCGG	TCCCGAAGCG	GAGGTAATCC	CGGCACGACG	
62101	ACGGACGCC	GACAAGGTAT	GTCTCCCGAG	CGTCAAAATC	CGGGGGGGGG	CGGGCGACGGT	
62161	CAAGGGGAGG	GTTGGAGACC	GGGGTTGGGG	AATGAATCCC	TCCCCCTCAC	CGACAACCCC	
62221	CCGGGTAACC	ACGGGGTCGC	CGATGAACCC	CGGCCGCCGG	CAACGCGGGG	TCCCTCGCAG	
62281	AGGCACAGAT	GCTTACGGTC	AGGTGCTCCG	GGTGGGGTGC	GTCTGGTATG	CGGTTGGTAT	
62341	ATGTACACTT	TACCTGGGGG	CGTGCCTGGTC	CGCCCCAGCC	CCTCCCACGC	CCCGCGCGTC	
62401	ATCAGCCGGT	GGCGCTGGCC	GCTATTATAA	AAAAAGTGAG	AACCGGAAGC	GTTCGCACTT	
62461	TGTCTTAATA	ATATATATAT	TATTAGGACA	AAAGTGCAC	GCTTCGCGTT	CTCACTTTTT	
62521	TTATAATAGC	GGCCACGCC	ACCGGCTACG	TCACTCTCCT	GTCGGCCGCC	GGCGGTCCAT	
62581	AAGCCCAGGC	GGCCGGGCCG	ACCGAATAA	ACCGGGCCGC	CGGCCGGGGC	GCCGCGCAGC	
62641	AGCTCGCCGC	CCGGATCCGC	CAGACAAACA	AGGCCCTTGC	ACATGCCGGC	CGGGCGAGC	
62701	CTGGGGGTCC	GGTAATTTCG	CCATCCCACC	CAAGCGGCTT	TTTGGGTTTT	TCTCTTCCCC	
62761	CCTCCCCACA	TTCCCCCTT	TAGGGGTTCG	GGTGGGAACA	ACCGCGATGT	TTTCCGGTGG	
62821	CGGGGGCCCG	CTGTCCCCCG	GAGGAAAGTC	GGCGGCCAGG	CGGGCGTCCG	GGTTTTTTCG	
62881	GCCCGCCGGC	CCTCGCGGAG	CCAGCGGGG	ACCCCGCCCT	TGTTTGAGGC	AAAACTTTA	
62941	CAACCCCTAC	CTCGCCCCAG	TCGGGACGCA	ACAGAACGCC	ACCGGGCCAA	CCCAGCGCCA	
63001	TACGTACTAT	AGCGAATGCG	ATGAATTTCG	ATTCATCGCC	CGCGGGGTGC	TGGACGAGGA	
63061	TGCCCCCCC	GAGAAGCGCG	CCGGGGTGC	CGACGGTCAC	CTCAAGCGCG	CCCCCAAGGT	
63121	GTACTCGGGG	GGGGACGAGC	GCGACGTCT	CCGCGTCGGG	TGGGGCGGCT	TCTGGCCGCG	
63181	GCGCTCGCGC	CTGTGGGGCG	GGTGGACCA	CGCCCCGGCG	GGGTTCAACC	CCACCGTCAC	
63241	CGTCTTTCAC	GTGTACGACA	TCCTGGAGAA	CGTGGAGCAC	CGTACGGCA	TGCGCGCGGC	
63301	CCAGTTCCAC	GCGCGGTTA	TGGACGCCAT	CACACCGACG	GGGACCGTCA	TACAGCTCCT	
63361	GGGCCTGACT	CGGAAGGCC	ACCGGGTGGC	CGTTCACGTT	TACGGCACGC	GGCAGTACTT	

	63421	TTACATGAAC	AAGGAGGGAGG	TCGACAGGCA	CCTACAATGC	CGCGCCCCAC	GAGATCTCTG
	63481	CGAGCGCATG	GCCGCGGCC	TGCGCGAGTC	CCC GGCGCG	TCGTTCCGCG	GCATCTCCGC
	63541	GGACCACCTTC	GAGGCGGAGG	TGGTGGAGCG	CACCGACGTG	TACTACTACG	AGACGCGCCC
5	63601	CGCTCTGTTT	TACCGCGTCT	ACGTCCGAAG	CGGGCGTGTG	CTGTCGTACC	TGTGCACAA
	63661	CTTCTGCCG	GCCATCAAGA	AGTACGAGGG	TGGGGTCGAC	GCCACCACCC	GGTCATCCT
	63721	GGACAAACCC	GGGTTCGTCA	CCTTCGGCTG	GTACCGTCTC	AAACCGGGCC	GGACAAACAC
	63781	GCTAGCCCAG	CCGGCGGCC	CGATGGCCTT	CGGGACATCC	AGCGACGTG	AGTTAACTG
	63841	TACGGCGGAC	AACCTGGCCA	TCGAGGGGGG	CATGAGCGAC	CTACCGGCAT	ACAAGCTCAT
10	63901	GTGCTTCGAT	ATCGAATGCA	AGGCGGGGGG	GGAGGACGAG	CTGGCCTTC	CGGTGGCCGG
	63961	GCACCCGGAG	GACCTGGTCA	TCCAGATATC	CTGTCGTCTC	TACGACCTGT	CCACCACCGC
	64021	CCTGGAGCAC	GTCCTCTGT	TTTCGCTCGG	TCCTCGAC	CTCCCCGAAT	CCCACCTGAA
	64081	CGAGCTGGCG	GCCAGGGGCC	TGCCCACGCC	CGTGGTTCTG	GAATTGACAA	GCAGATTGCA
	64141	GATGCTGTTG	GCCTTCATGA	CCCTTGTGAA	ACAGTACGGC	CCCGAGTTCG	TGACCGGGTA
15	64201	CAACATCATC	AACTTCGACT	GGCCCTTCTT	GCTGGCCAAG	CTGACGGACA	TTTACAAGGT
	64261	CCCCCTGGAC	GGGTACGGCC	GCATGAACGG	CCGGGGCGTG	TTTCGCGTGT	GGGACATAGG
	64321	CCAGAGGCCAC	TTCCAGAACG	GCAGCAAGAT	AAAGGTGAAC	GGCATGGTGA	ACATCGACAT
	64381	GTACGGGATT	ATAACCGACA	AGATCAAGCT	CTCGAGCTAC	AAGCTCAACG	CCGTGGCCGA
	64441	AGCCGTCTG	AAGGACAAGA	AGAAGGACCT	GAGCTATCGC	GACATCCCCG	CCTACTACGC
	64501	CGCGGGGCC	GCGAACGCG	GGGTGATCGG	CGAGTACTGC	ATACAGGATT	CCCTGCTGGT
20	64561	GGGCCAGCTG	TTTTTTAAGT	TTTTGCCCA	TCTGGAGCTC	TCGGCCGTC	CGCGCTTGGC
	64621	GGGTATTAAC	ATCACCCGCA	CCATCTACGA	CGGCCAGCAG	ATCCGCGTCT	TTACGTGCCT
	64681	GCTGCGCTG	GCCGACCAGA	AGGGCTTTAT	TCTGCCGGAC	ACCCAGGGC	GATTAGGGG
	64741	CGCGGGGGGG	GAGGCGCCCA	AGCGTCCGGC	CGCAGCCCGG	GAGGACGAGG	AGCGGCCAGA
	64801	GGAGGAGGGG	GAGGACGGAGG	ACGAACGCGA	GGAGGGCGGG	GGCGAGCGGG	AGCCGGAGGG
25	64861	CGCGCGGGAG	ACCGCCGGCA	GGCACGTGGG	GTACCAGGGG	GCCAGGTCC	TTGACCCCAC
	64921	TTCCGGGTTT	CACGTGAACC	CCGTGGTGGT	GTTCCACTTT	GCCAGCTGT	ACCCCAGCAT
	64981	CATCCAGGCC	CACAACCTGT	GCTTCAGCAC	GCTCTCCCTG	AGGGCCGACG	CAGTGGCGCA
	65041	CCTGGAGGCC	GGCAAGGACT	ACCTGGAGAT	CGAGGTGGGG	GGGCAGCGGC	TGTTCTTCGT
	65101	CAAGGCTCAC	GTGCGAGAGA	GCCTCCCTAG	CATCCCTCTG	CGGGACTGGC	TCGCCATGCG
30	65161	AAAGCAGATC	CGCTCGCGGA	TTCCCCAGAG	CAGCCCCGAG	GAGGCCGTGC	TCCTGGACAA
	65221	GCAGCAGGCC	GCCATCAAGG	TCGTGTGTAA	CTCGGTGTAC	GGGTTACCGG	GAGTGCAGCA
	65281	CGGACTCCTG	CCGTGCCTGC	ACGTTGCCGC	GACGGTGTACG	ACCATCGGCC	GCGAGATGCT
	65341	GCTCGCGACC	CGCGAGTACG	TCCACCGCG	CTGGCGGGCC	TTCGAACAGC	TCCTGGCCGA
	65401	TTTCCCGGAG	GCAGGCCGACA	TGCGCGCCCC	CGGGCCCTAT	TCCATGOGCA	TCATCTACGG
35	65461	GGACACGGAC	TCCATCTTG	TGCTGTGCCG	CGGCCTCACG	GCCGCCGGC	TGACGGCCGT
	65521	GGGCAGACAAG	ATGGCGAGCC	ACATCTCGCG	CGCGCTGTT	CTGCCCCCA	TCAAACATCGA
	65581	GTGCGAAAAG	ACGTTCACCA	AGCTGCTGCT	GATGCCAAG	AAAAAGTACA	TCGGCGTCAT
	65641	CTACGGGGGT	AAGATGCTCA	TCAAGGGCGT	GGATCTGGTG	CGCAAAAACA	ACTGCGCGTT
	65701	TATCAACCGC	ACCTCCAGGG	CCCTGGTCGA	CCTGCTGTT	TACGACGATA	CCGTCTCCGG
40	65761	AGCGCCGCC	GCGTTAGCCG	AGCGCCCCGC	GGAGGAGTGG	CTGGCGCGAC	CCCTGCCCCGA
	65821	GGGACTGCG	GCGTTGGGG	CCGTCCCTCG	AGACGCCCAT	CGCGCATCA	CCGACCCCGA
	65881	GAGGGACATC	CAGGACTTTG	TCCTCACCGC	CGAAACTGAGC	AGACACCCCG	GCGCGTACAC
	65941	CAACAAAGCGC	CTGGCCACC	TGACGGTGT	TTACAAGCTC	ATGGCCCGCC	GCGCGCAGGT
	66001	CCCGTCCATC	AAGGACCGGA	TCCCGTACGT	GATCGTGGCC	CAGACCGCG	AGGTAGAGGA
45	66061	GACGGTCGCG	CGGCTGGCCG	CCCTCCCGCA	GCTAGACGCC	GCCGCCCGAG	GGGACGAGCC
	66121	CGCCCCCCCC	GCGGCCCTGC	CCTCCCCGGC	CAAGCGCCCC	CGGGAGACGC	CGTCGCCTGC
	66181	CGACCCCCCG	GGAGGCGCGT	CCAAGCCCCG	CAAGCTGCTG	GTGTCCGAGC	TGGCCGAGGA
	66241	TCCCGCATA	GCCATTGCC	ACGGCGTCGC	CCTGAACACG	GACTATTACT	TCTCCCACCT
	66301	GTTGGGGCG	GCGTGGTGA	CATTCAAGGC	CCTGTTGGG	AATAACGCCA	AGATCACCAGA
50	66361	GAGTCTGTTA	AAAAGGTTA	TTCCCAGAGT	GTGGCACCCC	CGGGACGACG	TGGCCGCGCG
	66421	GCTCCGGACC	GCAGGGTTCG	GGGCGGTGGG	TGCGGGCGCT	ACGGCGGAGG	AAACATCGTCG
	66481	AATGTTGCAT	AGAGCCTTTG	ATACTCTAGC	ATGAGCCCC	CGTCGAAGCT	GATGTCCTC
	66541	ATTTTACAAT	AAATGCTGC	GGCCGACACG	GTCGGAATCT	CCGCGTCCGT	GGGTTCTCT
	66601	GCGTTGCGCC	GGACCAAGCAG	CACAAACGTG	CTCTGCCACA	CGTGGCGAC	GAACCGGTAC
55	66661	CCCGGGCACG	CGGTGAGCAT	CCGGTCTATG	AGCCGGTAGT	GCAGGTGGGC	GGACGTGCCG
	66721	GGAAAGATGA	CGTACAGCAT	GTGGCCCCCG	TAAGTGGGGT	CGGGGTAAGA	CAACAGCCGC
	66781	GGGTCGCACG	CCCCGCCTCC	GCGCAGGATC	GTGTGGACGA	AAAAAAAGCTC	GGGTTGGCCA
	66841	AGAATCCGG	CCAAGAGGTC	CTGGAGGGGG	GCGTGTTGGC	GGTCGGCCAA	CACGACCAAG
	66901	GAGGCCAGGA	AGGCGCGATG	CTCGAATATC	GTGTTGATCT	GCTGCACGAA	GGCCAGGATT

	66961	AGGGCCTCGC	GGCTGGTGGC	GGCGAACCGC	CCGTCTCCCG	CGTTGCACGC	GGGACAGCAA
	67021	CCCCCGATGC	CTAGGTAGTA	GCCCATCCCG	GAGAGGGTCA	GGCAGTTGTC	GGCCACGGTC
	67081	TGGTCCAGAC	AGAAGGGCAG	CGAGACGGGA	GTGGTCTTCA	CCAGGGGCAC	CGAGAGCGAG
5	67141	CGCACGATGG	CGATCTCCTC	GGAGGGCGTC	TGGGCGAGGG	CGGCAAAAG	GCCCCGATAG
	67201	CGCTGGCGCT	CGTGTAAACA	CAGCTCCTGT	TTGCGGGCGT	GAGGCGGCAG	GCTCTTCCGG
	67261	GAGGCCGAC	GCACCACGCC	CAGAGTCCCG	CCGGCCGCAG	AGGAGCGCGA	CCGCCGGCGC
	67321	TCCTTGCCTG	GATAGGGCCC	GGGCCGGGAG	CCGCGGCGAT	GGGGGTGGT	GTCATACATA
	67381	GGTACACAGG	GTGTGCTCCA	GGGACAGGGAG	CGAGATCGAG	TGGCGTCTAA	GCAGCGCGCC
10	67441	CGCCTCACGG	ACAAATGTGG	CGAGCGCGGT	GGGCTTGGT	ACAAATACCT	GATACTGTCTT
	67501	GAAGGGTAG	ATGAGGGCAC	GCAACGCTAT	GCAGACACGC	CCCTCGAACT	CGTTCCCGCA
	67561	GGCCAGCTTG	GCCTTGTGGA	GCAGCAGCTC	GTCGGGATGG	GTGGCGGGGG	GATGGCCGAA
	67621	CAGAACCCAG	GGGTCAACCT	CCATCTCCGT	AATGGCGCAC	ATGGGGTCAC	AGAACATGTG
	67681	CTTAAAGATG	GCCTCGGGCC	CCGCGGCCCG	AAGCAGGCTC	ACAAACCGGC	CCCCGTCCCC
15	67741	GGGCTCGTC	TCGGGGTCAG	CCTCGAGCTG	GTCGACGACG	GGTACGATAC	AGTCGAAGAG
	67801	GCTCGTGTG	TTTTCGGAGT	AGCGGACCAC	GGAGGCCCGG	AGTCTGCGCA	GGGCCAGCCA
	67861	GTAAGCACGC	ACCAAGTAACA	GGTTACACAG	CAGGCATTCT	CCGCCGGTGC	GCCCGCGGCC
	67921	CCGGCCGTGT	TTCAGCACGG	TGGCCATCAG	AGGGCCCGAGG	TCGAGGTCGG	GCTGGGCATC
	67981	GGGTTCGGTA	AACTGCGCAA	AGCGCGGAGC	CACGTCGCGC	GTGCGTGC	CGCGATGCGC
20	68041	TTCCCAGGAC	TGGCGGACCG	TGGCGCGACG	GGCCTCCGCG	GCAGCGCGCA	GCTGGGGCCC
	68101	CGACTCCCAG	ACGGCGGGGG	TGCCGGCGAG	GAGCAACAGG	ACCAGATCCG	CGTACGCCA
	68161	CGTATCCGGC	GACTCCTCCG	GCTCGCGGT	CCCAGCGACC	GTCTCGAATT	CCCCGTTGCG
	68221	AGCGGCCGGCG	CGAGTACAGC	AGCTGTCCCC	GCCCCCGCGC	CGACCCCTCCG	TGCACTCCAG
	68281	GAGACGGGCG	CAATCCTTCC	AGTTCATCAG	CGCGGTGGT	AGCGACGGCT	GCGTGC
25	68341	TCCCCCGGCC	GACCCCGCCC	CCTCCTCGCC	CCCAGGAGGC	AAGGTTCCGA	TGAGGGCCCC
	68401	GGTGGCAGAC	TGCGCCAGGA	ACGAGTAGTT	GGAGTACTGC	ACCTTGGCGG	CTCCCGGGGA
	68461	GGGGCAGGGC	TTGGGTTGCT	TCTGGGCATG	CCGCCCGGGC	ACCCCGCCGT	CGGTACGGAA
	68521	GCAGCAGTGG	AGAAAAAAAGT	GCCGGTGGAT	GTCGTTTATG	GTGAGGGCAA	AGCGTGC
	68581	GGAGCCGACC	AGGGTCCGCT	TCTTGGTGC	CAGAAAGTGG	CGGTCCATGA	CGTACACAAA
30	68641	CTCGAACCGCG	GCCACGAAGA	TGCTAGCGGC	GCAGTGGGGC	GCCCCCAGGC	ATTGGCACA
	68701	GAGAACCGCG	TAATCGGCCA	CCCACTGAGG	CGAGAGGCCG	TAGGTTGCT	TGTACAGCTC
	68761	GATGGTGC	CAGACCAGAC	AGGGCCGGTC	CAGCGCGAAG	GTGTCGATGG	CCGCCGCGGA
	68821	AAAGGGCCCG	GTGTCCAAA	GCCCCCTCCCC	ACAGGGATCC	GGGGGCGGGT	TGCGGGGTCC
	68881	TCCGCGCCCG	CCCGAACCCC	CTCCGTCGCC	CGCCCCCCCC	CGGGCCCTTG	AGGGGGCGGT
35	68941	GACCACGTG	GCGCGACGT	CCTCGTCGAG	CGTACCGACG	GGCGGCACAC	CTATCACGTG
	69001	ACTGGCCGTC	AGGAGCTCGG	CGCAGAGAGC	CTCGTTAAGA	GCCAGGAGGC	TGGGATCGAA
	69061	GGCCACATAC	GCGCGCTCGA	ACGCCCGCCG	CTTCCAGCTG	CTGCCGGGG	ACTCTTCGCA
	69121	CACCGCGACG	CTCGCCAGGA	CCCCGGGGGG	CGAAGTTGCC	ATGGCTGGC	GGGAGGGGGC
	69181	CACCGCGCCAG	CGAACCTTAC	GGGACACAAAT	CCCCGACTGC	GCGCTGGGT	CCCAGACCC
40	69241	GGAGAGTCTA	GACGCGCGCT	ACGTCTCGCG	AGACGGCGCG	CATGACGCCG	CCGTCTGGTT
	69301	CGAGGATATG	ACCCCGCCG	AGCTGGAGGT	TGTCTTCCCG	ACTACGGACG	CCAAGCTGAA
	69361	CTACCTGTCG	CGGACGCGAC	GGCTGGCCTC	CCTCCCTGACG	TACGCCGGC	CTATAAAAGC
	69421	GCCCCACGAC	GCCGCCGCC	CGCAGACCCC	GGACACCGCG	TGTGTGACG	GCGAGCTGCT
	69481	CGCCGC CAAG	CGGGAAAGAT	TCGGCGCGGT	CATTAACCGG	TTCCCTGGACC	TGCACTTAC
45	69541	TCTGCGGGGC	TGACGCGCGT	GCTGTTGGG	GGGACGGGTC	GCGAACCC	TGGTGGGTTT
	69601	ACGCGGGCAC	GCACGCTCCC	ATCGCGGGCG	CCATGGCGGG	ACTGGGCAAG	CCCTACACCG
	69661	GCCACCCAGG	TGACGCCCTC	GAGGGTCTCG	TTCAGCGAAT	TCGGCTTATC	GTCCCATCTA
	69721	CGTTGCGGGG	CGGGGACGGG	GAGGCGGGGCC	CCTACTCTCC	CTCCAGCCTC	CCCTCCAGGT
	69781	GCGCCTTCA	GTTCATGGC	CATGACGGGT	CCGACGAGTC	GTTTCCCATC	GAGTATGTAC
	69841	TGCGCTTAT	GAACGACTGG	GCCGAGGTCC	CGTGCACCCC	TTACCTGCGC	ATACAGAAC
50	69901	CCGGCGTGT	GGTGTGTT	CAGGGGTTT	TTCATCGCCC	ACACAACGCC	CCCCGGGGCG
	69961	CGATTACGCC	AGAGCGGACC	AATGTGATCC	GGGGCTCCAC	CGAGACGACG	GGGCTGTC
	70021	TCGGCGACCT	GGACACCATC	AAAGGGCGGC	TCGGCCTGGA	TGCCCCGGCG	ATGATGGCCA
	70081	GCATGTGGAT	CAGCTGTT	GTGCGCATGC	CCCAGCGTC	GCTCGCGTT	CGGTTCATGG
	70141	GCCCCGAAGA	TGCCGGACGG	ACGAGACGGA	TCCTGTGCCG	CGCCGCCGAG	CAGGCTATT
55	70201	CCCGTCGCCG	CCGAACCCGG	CGGTCCCGGG	AGGCGTACGG	GGCCGAGGCC	GGGCTGGGG
	70261	TGGCGGAAAC	GGGTTCCGG	GCCAGGGGGG	ACGGTTTGG	CCCGCTCCC	TTGTTAACCC
	70321	AAGGCCCTC	CCGCCCCGTG	CACCAAGGCC	TGCGGGGTCT	TAAGCACCTA	CGGATTGGCC
	70381	CCCCCGCGCT	CGTTTGGCG	GGGGGACTCG	TCCTGGGGGC	CGCTATTG	TGGGTGGTTG
	70441	GTGCTGGCGC	GCGCCTATAA	AAAAGGACGC	ACCGCCGCC	TAATCGCCAG	TGCGTTCCGG

	70501	ACGCCTTCGC	CCCACACAGC	CCTCCCGACC	GACACCCCCA	TATCGCTTCC	CGACCTCCGG
	70561	TCCCGATGGC	CGTCCCGCAA	TTTCACCGCC	CCAGCACCGT	TACCACCGAT	AGCGTCCGGG
	70621	CGCTTGGCAT	GCGCGGGCTC	GTCTTGGCCA	CCAATAACTC	TCAGTTTATC	ATGGATAACA
	70681	ACCACCCGCA	CCCCCAGGGC	ACCCAAGGGG	CCGTGCCGG	GTTCAGGC	GGTCAGGC
5	70741	CGCGCCTGAC	GGACCTTGGT	CTGGCCACCG	CAAACAAACAC	GTTCACCCG	CAGCCTATGT
	70801	TCGCGGGCGA	CGCCCCGGCC	GCCTGGTTC	GGCCCGCGT	TGGCCTGCC	CGCACCTATT
	70861	CACCGTTGT	CGTCGAGAA	CCTTCGACGC	CGGGGACCCC	GTGAGGCCG	GGGAGTTCC
	70921	TCTGGGGTGT	TTTAATCAAT	AAAAGACCAC	ACCAACGCAC	GAGCCTTGC	TTTAATGTC
	70981	TGTTTATTCA	AGGGAGTGGG	ATAGGGTTC	ACGGTTCGAA	ACTTAACACA	CCAAATAATC
10	71041	GAGCGCGTCT	AGCCCAGTAA	CATGCGCACG	TGATGTAGGC	TGGTCAGCAC	GGCGTCGCT
	71101	TGATGAAGCA	GCGCCCAGCG	GGTCCGCTGT	AACTGCTGTT	GTAGGGCGTA	ACAGGCGC
	71161	ATCAGTACCG	CCAGGGCGCT	ACGACCGGTG	CGTTGCACGT	AGCGTCGCG	CAGAACTGCG
	71221	TTTGCCTATA	CGGGCGGGGG	GCCGAATTGT	AAGCGCGTCA	CCTCTTGGG	GTCATCGGCG
	71281	GATAACGCAC	TGAATGGTTC	GTGGTTATG	GGGGAGTGTG	GTTCACCCAGG	GAGTGGGT
15	71341	ACGCCTCGG	CCTCGGAATC	CGAGAGGAAC	AACGAGGTGG	CGTCGGAGTC	TTCGTCGTCA
	71401	GAGACATACA	GGGTCTGAAG	CAGCGACACG	GGCGGGGGGG	TAGCGTCGAT	GTGTAGCGC
	71461	AGGGAGGATG	CCCACGAAGA	CACCCCAGAC	AAGGAGCTGC	CCGTCGCTGG	ATTGTTGGAA
	71521	GACGCGGAAG	CGGGGACGGA	TGGGCGGTT	TGCGGTGCCC	GGAACCGAAC	CGCCGGATAC
	71581	TCCCCGGGTG	CTACATGCC	GTTCGGGGG	TGGGGTTGGG	GCTGGGGTTG	GGGCTGGGGT
20	71641	TGGGGCTGGG	GTGGGGCTG	GGGTTGGGG	TGGGGTTGGG	GTTGGGGTTG	GGGCTGGGGT
	71701	TGGGGTTGGG	GCTGGGGCTG	GGGCTGGGG	TGGGGCTGGG	GCTGGGGCTG	GGGCTGGGGC
	71761	TGGGGCTGGG	GCTGGGGCTG	GGGCTGGGG	TGGGGCTGGG	GCTGGGGTTG	GGGCGCGGAC
	71821	AGGCGGCTGA	CGGTCAAATG	CCCCCGGGGG	CGCGCAGATG	TGGTGGGGGT	GGCCACCGGC
	71881	TGCCGTGTAG	TGGGGCGGCG	GGAAACCGGG	CCTCCGGCG	CAACACCGCC	CTCCAGCGTC
25	71941	AAGTATGTGG	GGGGCGGGCC	TGACGTGGG	GGCGGGCGA	CGGGTTGGAC	CGCGGGAGGC
	72001	GGGGGAGAGG	GACCTGCGGG	AGAGGATGAG	TCGGCTCGG	CCGGGTTGCG	GCCTAAAACA
	72061	GGGGCCGTGG	GGTCGGCGGG	GTCCCAGGGT	GAAGGGAGGG	ATTCCCGCGA	TTCGGACAGC
	72121	GACGCGACAG	CGGGGCGCGT	AAGGCGCCG	TGCGGCCCGC	CTACGGGAAC	CCTGGGGGGG
	72181	GTTGGCGCGG	GACCCGAGGT	TAGCGGGGGG	CGGCGGTTT	CGCCCCCGGG	CAAAACCGTG
30	72241	CCGGTTGCGA	CGGGGGCGG	AACGGGATCG	ATAGGGAGAG	CGGGAGAAGC	CTGGCCGGCG
	72301	GCCTGGGGCC	CGAGCGGGAG	GGGCACACCA	GACACCAAAG	CGTGGGGCGC	TGGCTCTGGG
	72361	GGTTTGGGAG	GGGCGGGGGG	GGCGCGCAA	TCGGTAACCG	GGGCGACCGT	GTGGGGAGGG
	72421	GCAGGCGGCC	GCCAACCCCTG	GGTGGTCGCG	GAAGCCTGGG	TGGCGCGCGC	CAGGGAGCGT
	72481	GCCCCGGCGT	GTGGCGCGC	GGCGCACCCG	GACGAAGAAC	CGGCAGAAC	GCAGGGAGGAG
35	72541	GCGGGGGGGC	GGGGGGCGGT	GGCATCGGGG	GGCGCCGGGG	AACTTTGGGG	GGACGGCAAG
	72601	CGCCGGAAGT	CGTCGCGGGG	GCCCACGGGC	GCCGGCCGCG	TGCTTCGCG	CGGGACGCC
	72661	GGTCGTGCTT	CGCGAGCCGT	GAATGCCGCG	CCAGGGGGCC	GCGGTGCACA	CTGGGACGTG
	72721	GGGACGGACT	GATCGGCGGT	GGGCGAAAGG	GGGTCCGGGG	CAAGGAGGGG	CGGGGGGCCG
	72781	CCGGAGTCGT	CAGACCGAG	CTCCCTCCAGG	CCGTGAATCC	ATGCCACAT	GCGAGGGGGG
40	72841	ACGGGCTCGC	CGGGGGTGGC	GTGGTGTAA	AGCGTGGGGG	CCAGGCTTCC	GGGCCCAAC
	72901	GAGCCCTCCG	CCCCAACAAAG	GTCCACAGGG	CCGGGGGTG	GGTTTGGGAC	CGAGGGGCTC
	72961	TGGTCGTGCG	GGGCGCGCTG	GTACACCGGA	TGCCCCGGGA	ATAGCTCCCC	CGACAGGAGG
	73021	GAGGCCTCGA	ACGGCCGCC	GAGGATAGCT	CGCGCGAGGA	AGGGGTCTC	GTGGGTGGCG
	73081	CTGGCGCGA	GGACGTCTC	GCCGCCCGC	ACAAACGGGA	GCTCCTCGGT	GGCCTCGCTG
45	73141	CCAACAAACC	GCACGTGGG	GGGGCCGGGG	GGGTCCGGGT	TTTCCCACAA	CACCGCGACC
	73201	GGGGTCATGG	AGATGTCCAC	GAGCACCGAGA	CACGGCGGGC	CCCAGGGCGAG	GGGCGCTCG
	73261	GCGATGAGCG	CGGACAGGCG	CGGGAGCTGT	GCCGCCAGAC	ACGCGTTTC	GATGGGTT
	73321	AGGTGGCGT	GCAGGAGGCG	GACGGCCAC	GTCTCGATGT	CGGACGACAC	GGCATCGCG
	73381	AAGGCGCGT	CGGGCCCGCG	AGCGCGTGA	TCAAACAGCG	TGAGACACAG	CTCCAGCTCC
50	73441	GACTCGCGGG	AAAAGGCCGT	GGTGGTGC	AGCGGCCACGA	CGACGGCGC	GCCCAGGAGC
	73501	ACTGCCGCA	GCACCAAGGTC	CATGGCCGTA	ACGCGCGCCG	CGGGGGTGC	GTGGGGTGGCG
	73561	GCGGCCGGCA	CGGCGACGTG	CTGGCCCGTG	GGCCCGTAGA	GGGCGTTGGG	GGGAGCGGGG
	73621	GGTGACGCCT	CGCGCCCCC	CGAGGGGCTC	AGCGTCTGCC	CAGATTCCAG	ACGCGCGGT
	73681	AGAAGGGCGT	CGAAACTGTC	ATACTCTGTG	TAGTCGTC	GAAACATGCA	GGTCAAAGA
55	73741	GCGACCAGAG	CGGTGCTTGG	GAGACACATG	CGCCCCAGGA	CGCTCACCGC	CGCCAGCGCC
	73801	TGGGCGGGAC	TCAGCTTCC	CAGCGCGGGC	CCGCGCTCGG	TTCCCAGCTC	GGGGACCGAG
	73861	CGCCAGGGCG	CCAGGGGGTC	GGTTTCGGAC	AACTTGCCG	GGCGCCAGTC	TGCCAGCCG
	73921	GTGCCGAACA	TGAGGCCCCG	GGTCGGAGGG	CCTCCGGCCG	AAAACGCTGG	CAGCACGCG
	73981	ATGCGGGCGT	CTGGATGCGG	GGTCAGGCGC	TGCACGAATA	GCATGGAATC	TGCTCGTTC

	74041	TGAAACGCAC	GGGGGAGGGT	GAGATGCATG	TACTCGTGT	GGCGAACCAAG	ATCCAGGC	GC
	74101	CAAAAGGTGT	AAATGTGTT	CGGGGAGCTG	GCCACCAGCG	CCACCAGCAC	GTCGTTCTCG	
	74161	TTAAAGAAA	CGCGGTGCCT	AGTGGAGCTC	TGGGGTCCGA	CGGGCGGCC	CGGGGCCG	
	74221	GCgtcACCCCC	CCCATTCCAG	CTGGGCCAG	CGACACCAA	ACTCGCGGT	GAGAGTGGTC	
5	74281	GCGACGAGGG	CGACGTAGAG	CTCGGCCGCC	GCATCCATCG	AGGCCCCCA	TCTCGCCTGG	
	74341	CGGTGGCGCA	CAAAGCGTCC	GAAGAGCTGA	AAGTTGGCGG	CCTGGGCGTC	GCTGAGGGCC	
	74401	AGCTGAAGCC	GGTTGATGAC	GGTGAGGACG	TACATGGCCG	TGACGGTCGA	GGCCGACTCC	
	74461	AGGGTGTCCG	TCGGAAGCGG	GGGGCGAATG	CATGCCGCCT	CGGGACACAT	CAGCAGCGC	
	74521	CCGAGCTTGT	CGGTACCGC	CGGGAAGCAG	AGCGCGTACT	GCAGTGGCGT	TCCATCCGGG	
10	74581	ACCAAAAGC	TGGGGCGAA	CGGCCGATCC	AGCGTACTGG	TGGCCTCGCG	CAGCACCAAG	
	74641	GGCCCCGGGC	CTCCGCTCAC	TCGCAGGTAC	GCCTCGCCCC	GGCGCGCAG	CATCTGCGGG	
	74701	TCGGCCTCTT	GGCCGGGTGG	GGCGGACGCC	CGGGCGCGGG	CGTCTAGGGC	GCGAAGATCC	
	74761	ACGAGCAGGG	CGCGGGCGC	GGCGGCCGCG	CCCAGCAGCCG	TCTGGCTGT	GGCCTTGGCG	
	74821	TACCGCCTAT	ATAAGCCAT	GGCGCGTTGG	ATGAGCTCCC	GCGCGCCCCG	GAACCTCTCC	
15	74881	ACCGCCCATG	GGGCCAGGTC	CCCAGCACC	GCGTCGAATT	CGGCCAACAG	GCCCCCCCAGG	
	74941	GTGTCAAAGT	TCATCTCCC	GGCCACCCCT	GGCACCACCT	CGTCCCGCAG	CCGGGCGCTC	
	75001	AGGTGGCGT	GTTGGGCCAC	GGCCCCCCC	AGCTCCTCCA	CGGCCCCGGC	CCGCTCGGCC	
	75061	CTCTTGGCGC	CCAGGACGCC	CTGGTACTTG	GGCGGAAGGC	GCTCGTAGTC	CCGCTGGGCT	
	75121	CGCAGCCCCG	ACACAGTGT	GGTGGGTGTC	TGCAGGGCGC	GAAGCTGCTC	GCATGCCGCG	
20	75181	CGAAATCCCT	CGGGCGATT	CCAGGCCCCC	CGGCCAACGC	GGCGGAAGCG	ACCCCATACC	
	75241	TCGTCCCACT	CCGCCTCGGC	CTCCTCGAGA	GACCTCCGCA	GGGCCTCGAC	GGGGCGACGG	
	75301	GTGTCGAAGA	GCGCCTGCAG	GGCGCGGCC	TGTCCGTCGA	GGAGGCCCGG	GCCGTCGCCG	
	75361	CTGGCCGCGC	TTAGCGGGTG	CGTCTCAAAG	GTACCGCTGGG	CATGTTCAA	CCAGGCGACC	
	75421	GCCTGCACGT	CGAGCTCGC	CGCCTTCTCC	GTCTGGTCCA	CCAGAATTTC	GACCTGATCC	
25	75481	GCGATCTCCT	CGGCCGAGCG	CGCCTGGTC	AGCGTCTTGG	CCACGGTCGC	CGGGACGGCG	
	75541	ACACCTTCA	GCAGGGTCTT	CAGATTGGCC	AGACCCCTCGG	CCTCGAGCTG	GGCCCCGGCGC	
	75601	TCGCGCGCGG	CCAGCACCTC	CCGCAGCCCC	GCGTGACCC	GCTCGGTGGC	TTCGGCGCGC	
	75661	TGCTGTTTGG	CGCGCACCCAC	GGCGTCCTTG	GTATCGGCCA	GGTCCTGTG	GGTCACGAAT	
	75721	GCGACGTAGT	GCGCGTACGC	CGTGTCTTC	ACGGGGCTCT	GGTCCACGCG	CTCCAGCGCC	
30	75781	GCCACGCACG	CCACCAAGCG	GTCCCTCGCTC	GGGCAGGGCA	GGGTGACCCC	TGCCCCGGACA	
	75841	AGCTCGGCGG	CCGCCGCCGG	GTCTGTCGCG	ACCGCGGATA	TCTCCTCCGC	GGCGGCGGGCC	
	75901	AGGTCCAGCG	CCACGCTTCC	GATCGCGCGC	CGCGCGTCGG	CCCGGAGGGC	GTCCAGGCGA	
	75961	TCGCGGATAT	CCACGTACTC	GGCGTAGCCC	TTTTGAAAAA	ACGGCACGTA	CTGGCGCAGG	
	76021	GCCGGCACGC	CCCCCAAGTC	TTCCGACAGG	TGTAGGACGG	CCTCGTGGTA	GTCGATAAAC	
35	76081	CCGTCGTTCG	CCTGGGCCG	CTCCAGCAGC	CCCCCGCCA	GCCGCAGAAC	CCGCGCCAGG	
	76141	GGCTCGGTGT	CCACCCGAAA	CATGTCGGCG	TACGTGTCGG	CCGCGGCC	GAAGGCCGCG	
	76201	CTCCAGTCGA	TGCGGTGAAT	GGCTGCGAGC	GGGGGGAGCA	TGGGGTGGCG	CTGGTTCTCG	
	76261	GGGGTGTATG	GGTTAAACGC	AAGGGCGTC	TCCAGGGCAA	GGGTCAACCGC	CTTGGCGTTG	
	76321	GTTCCCAGCG	CCTGTTCGC	CCGCTTTCGG	AAGTCCCGGG	GGTTGTAGCC	GTGCGTGC	
40	76381	GCCAGCGCCT	GCAGGCCAGC	GAGCTCGACC	ACGTCAAACT	CGGCACCGCT	TTCCACGCG	
	76441	TCCAGCACGG	CCTCCACGTC	GGCGGCCAG	CGCTCGTGGC	TACTGCGGGC	GGCGCTGGGCC	
	76501	GCCATCTTCT	CTCTGAGGTC	GGCGGTGGCG	GCCTCAAGTT	CGTCGGCGCG	GGCGTCGCGT	
	76561	GCGCCGATGA	CCTTCCCAG	CTCCTGCAGG	GCGCGCCCGC	TGGGGGAGTG	GTCCCCGGCC	
	76621	GTCCCCTCGG	CGTCAACAG	GCCCCCGAAC	CTGCCCTCGT	GGCCC CGGAG	GCTTCCC	
45	76681	GCGCCGGTGG	TCGCGCGCGT	CGCGGCCCTGG	ATCAGGGAGG	CATGCTCTCC	CTCCGGTTGG	
	76741	TTGGCGGCC	GGCGCACCTG	GACGACAAGG	TCGGCGGCAG	CGGACCCCTAA	GGTCGTGAGC	
	76801	TGGCGGATGG	CCACCCCGCG	GTCCAGGGCC	AACCGAGTCG	CCTTGACGTA	TCCC	
	76861	CTGTCGGCCA	TGGCGCTAG	GAAGGCCAGG	GGGGAGGCCG	GGTCGCTGGC	GGCCGCGGCC	
	76921	AGGGCCGTCA	CCGCGTCGAC	CAGGACGCGG	TGCGCCCGCA	CGGCCGCATC	CACCGTCGAC	
50	76981	GCAGGGTCTG	CCGTTGCGAC	GGCGGCCGCTG	CCGGCGTTGA	TGGCGTTCGA	GACGGCGTGG	
	77041	GCTATGATCG	GGGCGTGTGATC	GGCGAAGAAC	TGCAAGAGAA	ACGGAGTCTC	TGGGGCGT	
	77101	GCGAACAGGT	TCTTCAGCAC	CACCACGAAG	CTGGGATGCA	AGCCAGACAG	AGCCGTG	
	77161	GTGTCGGAG	TCGGGTGCTC	CAGGGCATCT	CGGTACTGCC	CCAGCAGCCC	CCACATGTCC	
	77221	GCCCCCAGCG	CCGCCGTAAC	CTCAGGGGGC	GCCCCCGAA	CGGCCTCGGG	GAGGTCCGAC	
55	77281	CAGCCCAGCG	GCAGGGAGGC	CCGCAGGGTC	GCCAGGACGG	CGGGACAGGC	CTTGTAGCCCC	
	77341	ACAAAGTCAG	GGAGGGGGCG	CAGGACCCCC	TGGAGTTTGT	GCAAGAACCTT	CTCCCGGGCG	
	77401	TCGCGGGGCCA	CCTTCGCCCC	CTCCCGCGCT	CCCTCGAGCA	TTGCCTCCAG	GGAGCGCGC	
	77461	CGCTCCCGCA	AACGGGCACG	CGCATCGGGG	GCGAGCTCTG	CCGTCAAGCTT	GGCGGCATCC	
	77521	ATGGCCCCGCG	CCTGCCGAG	CGCTTCCTCG	GCCATGCGCG	TGGCCTCTGG	CGACAGCCCC	

	77581	CCGTCGTCGG	GGTAGGGCGA	CGCGCCGGGC	GCAGGAACAA	AGGCCGCGTC	GCTGTCCAGC
	77641	TGCTGGCCA	GGGCCGCATC	TAGGGCGTCG	AAGCGCCGCA	GCTCGGCCAG	ACCCGAGCTG
5	77701	CGGCCGCCT	GTTGGTCGTT	AATGTCGCGG	ATGCTGCAGC	CCAGCTCGTC	CAGTGGCTTG
	77761	CGTTCTATCA	GCCCTTGTT	GGCGGCGTC	GTCAGGACGG	AGAGCCAGGC	CGCCAGGTCC
	77821	TCGGGGCGT	CCAGCGCTG	GCCCCGCTGG	ATCAGATCCC	GCAACAGGAT	GGCCGTGGGG
	77881	CTGGTCGCGA	TCGGGGCGG	GGCGGGAATG	GCGGCGCGCT	GCGCGATGTC	CCGCGTGTGC
	77941	TGGTCGAAGA	CAGGCAGGG	CTCGAGCAGC	TGGACCACGG	GCACGACGGC	GGCCGAAGCC
10	78001	ACGTGAAACC	GGCGGTGTT	GTTGTCGCTG	GCCTGTAGAG	CCTTGGCGCT	GTATACGGCC
	78061	CCCCGGTAAA	AGTACTCCTT	AACCGCGCCC	TCGATCGCCC	GACGGGCCTG	GGTCCGCAACC
	78121	TCCTCCAGCC	GAACCTGAAC	GGCCTCGGGG	CCCAGGGGGG	GTGGGCGCGG	AGCCCCCTGC
	78181	GGGGCCGCC	CGGCCGGGG	GGCATTACG	CCGAGGGGGC	CGGCGTGTG	TGAGACCGCG
	78241	TCGACCCC	GAGCGAGGG	GTCGAGGGCC	TCGCGCATCT	GGCGATCCTC	CGCCTCCACC
	78301	CTAATCTCTT	CGCCACGGG	AAATTTGGCC	AGAGCCTGGA	CTCTATACAG	AAGCGGTTCT
15	78361	GGGTGCGTGC	GGGTGGCGGG	GGCAAAAGG	GTGTCCGGGT	GGGCCTGCGA	GCGCTCCAGA
	78421	AGCCACTCGC	CGAGGC GTGT	ATACAGATTG	GCCGGCGGGG	CCGCGCGAAG	CTGCAGCTCC
	78481	AGGTCCGCGA	GTTCCCCGTA	AAAGGC GTTC	GTCTCCCGAA	TGACATCCCT	AGCCACAAGG
	78541	ATCAGCTTCG	CCAGCGCCAG	GCGACCGATC	AGAGAGTTT	CGTCCAGCAC	GTGCTGGACCG
	78601	AGGGGCAGAT	GGGC GGCCAC	GTCGGCCAGG	CTCAGGCGCG	TGGAGGCCAG	AAAGTCCCCC
20	78661	ACGGCCGTTT	TCCAGGGCAG	CATGTTCAGG	GTAAACTCCA	GCAGGGCGGC	GGCCGGGGCG
	78721	GCCACCCC	CCTGGGTGTG	CGTCCGGGC	CCGTTCTCGA	TGAGAAAGGC	GAGGACCGGT
	78781	TCAAAGAAAA	AAATAACACA	GAGCTCCAGC	AGCCCCGGAG	AGGCCGGATA	CGGCGACCGT
	78841	AAGGC GCTGA	TGGTGAGCCG	CGAACACCGC	GCGACCTCGC	GGGCCAGGGC	GGCGGAGCAC
	78901	GCGGTGAAC	TAACCGCCGT	GGCGGCCACG	TTTGGGTGGG	CCTCGAACAG	CTGGGCGAGG
25	78961	TCTGCGCCCG	GGGGCTCGGG	CGAGCGGC	GTCTTCAGCG	CCTCGAGGGC	CTGTGAGGAC
	79021	GCCGGAACCG	TGGGCCGTC	GTCCTCGCCC	GCCTCGCGA	CCGGCGGGCC	GGCCGGGGTCC
	79081	GGGGGTGCG	AGGCGAGGAC	AGGCTCCGGA	ACGGAGGC	GGACCGCGG	CCCGACGGGG
	79141	TTTTTGCTT	TGGGGTGGG	TTTCTTCTTG	TTTTTGGCAG	GGGGGGCCGA	CGGTTTCGTT
	79201	TTCTCCCCCG	AAGTCAGGTC	TTCGACGCTG	GAAGGC GGAG	TCCAGGTTGGG	TCGGCGGCC
30	79261	TTGGGAAGGC	CGGCCGAGTA	GCGTGC CGG	TGCCGACCAA	CCGGGACGAC	GCCCACATCTCC
	79321	AGGACCCGCA	TGTCGTCGTC	ATCTTCTTC	GCCGCCTCTG	CGGC GGGGGT	CTTGGGGGCC
	79381	GAGGGAGGCG	GTGGTGGGAT	CGCGGAGGGT	GGGTCGGCG	AGGGTGGGTC	GGCGGAGGGG
	79441	GGATCCGTGG	GTGGGGTAC	CTTCAGGGC	ACCGCCCATA	CATCGTCCGG	CGCCCGATTC
	79501	GGGGCCTTGG	CCTCTGGTT	TGCCGACGGA	CCGGCCGTCC	CCCGGGATGT	CTCGGAGGCC
35	79561	CTGTCGTCG	GACGGGCC	GGTCGGTGGC	GGCGACTGGG	CGGCTGTGGG	CGGGTGTGGC
	79621	CCC GGCCCC	CTACCCCTC	CCGGGGGCC	ACGCCGACGC	AGGGCTCCCC	CAGGCCGCG
	79681	ATCTCGCCCC	GCAGGGGTG	CGTGATGGC	ACGCCCGTT	CGCTGAACGC	TTCTGCTCTG
	79741	AGGTAACTCT	CGCTGGCCC	GTAAAGATGC	AGAGCCGCG	CGTCAAGTC	CGCAGGAGCC
	79801	GCGGGTTCCG	GGCCCGACGG	CACGAAAAC	ACCATGGCTC	CGGCCAACCG	TACGTCCGGG
40	79861	CGATCGCGGG	TGTAATACGT	CAGGTATGGA	TACATGTCCC	CGGCCCGCAC	TTTGGCGATG
	79921	AACGCGGGGG	TGCCCTCGG	AAAGGCCGTG	GGGTCAAAA	GGTATCGGGT	GTCGCCGTCC
	79981	CTGAACAGCC	CCATCCCTAG	GGGGCCAATG	GTTAGGAGCG	TGTACGACAG	GGGGCGCAGG
	80041	GCCCACGGGC	CGCGAAGAA	CGTGTGTGCG	GGGCATTGTC	TCTCCAGCAC	GCCCACCGCG
	80101	GGCTCCCCGA	AGAAGCCAC	CTCGCCGTAT	ACGCGCGAGA	AGACACAGCG	CAGTCCGCC
45	80161	CGCGCCCC	GGTACTCGAG	GAAGTTGGG	AGCTCGACGA	TGAAACACAT	CGCGCGCGGC
	80221	CCAGGGCCCG	CGGTGCGCG	CGTCCACTCG	CCCCCCTCGA	CCAAACATCC	CTCGATGGCC
	80281	TCCCGGGACA	GGACGTGCG	AGGGCCCACA	TCAAAATATGA	GGCTGAGAAA	GGACAGCGAC
	80341	GAGCGCATGC	ACGATACCGA	CCCCCCC	TCCAGGTCGG	CGCGCGAAC	GTTCCGAGCA
	80401	CCGGTGACCA	CGATGTGCG	ATCCCCCCC	CGTCCATCG	TGGAGTGC	TGGGGTGC
50	80461	GCGATCATAT	GTGCCCTGCT	GGCCAGAGAC	CCGGCCTGTT	TATGGACGG	ACCCCCGGGG
	80521	TTAGTGTG	TTCCGCCACC	CATGCC	TACCATGGCC	CCGGTCTCCC	TGATTAGGCT
	80581	ACGAGTCGCG	GTGATCGCTT	CCCCAAAACC	GAGCTGCGT	TGTCTGTCTT	GGTCTTCCAC
	80641	CCCCCCCC	GCCCCCGCC	ACACCAAAAC	ACCGAGAAC	ACACACAGGG	GTGGGGCGTAA
	80701	CATAATAAAG	CTTTATTGGT	AACTAGTTAA	CGGCAAGTCC	GTGGGTGGCG	CGACGGTGTG
	80761	CTCCGGGATC	ATCTCGTCG	CCTCGACGG	GGTGTGTTGAA	TGAGGCGCCC	CCTCGCGGTG
55	80821	CGCCTGGCGT	GGGCCGTGCC	CATAGGCCTC	CGGCTTCTGT	CGCTCCATGG	GCATAGGC
	80881	GGGGAGACTG	TTTCCGGCGT	CGCGGACCTC	CAGGTCCTG	GGAGACTCCG	GTCCGGCTAA
	80941	CGGACGAAAC	GCGBAAGCGC	GAAACACGCG	GTCGGTGCACC	CGCAGGAGCT	CGTTCATCAG
	81001	TAACCAATCC	ATACTCAGCG	TAACGGCCAG	CCCCTGGCGA	GACAGATCCA	CGGAGTCCGG
	81061	AACCGCGGTC	GTCTGGCCA	GGGGGCCAG	GCTGTAGTCC	CCCCAGGCC	CTAGGTGCGC

	81121	ACGGCTCGTA	AGCACGACGC	GGTCGGCCGC	GGGGCTTGC	GGGGGGCGT	CCTCGGGCGC
	81181	ATGCGCCATT	ACCTCTCGGA	TGGCCGCGGC	GCGCTGGTCG	GCCGAGCTGA	CCAAGGGCGC
	81241	CACGACCACG	GCGCGCTCCG	TCTGCAGGCC	CTTCCACGTG	TCGTGGAGTT	CCTGGACAAA
	81301	CTCGGCCACG	GGCTCGGGTC	CCGCGGCCGC	GCGCGCGGCT	TGATAGCAGG	CCGACAGACG
5	81361	CCGCCAGCGC	GCTAGAAACT	GACCCATGAA	GCAAAACCCG	GGGACCTGGT	CTCCCGACAG
	81421	CAGCTTCGAC	GCCCAGGGCGT	GAATGCCGGA	CACGACGGAC	AGAAACCCGT	GAATTTGCGC
	81481	CCGGACCACG	GCCAGCACGT	TGTCTCTGTG	CGACACCTGG	GCCGCCAGCT	CGTCGCACAC
	81541	CCCCCAGGTGC	GCCGTGGTT	CGGTGATGAC	GGAACCGCAGG	CTCGCGAGGG	ACCGGACCAAG
10	81601	CGCGCGCTTG	CGCTCGTGT	ACATGCTGCA	GTACTGACTC	ACCGCGTCCC	CCATGGCCTC
	81661	GGGGGGCCAG	GGCCCCCAGGC	GGTCGGGCGT	GTCCCCGACC	ACCGCATACA	GGCGGCGGCC
	81721	GTCGCTCTCG	AACCGACACT	CGAAAAAAGGC	GGAGAGCGTG	CGCATGTGCA	GCCGCAGCAG
	81781	CACGATGGCG	TCCTCCAGTT	GGCGAATCAG	GGGGTCTGCG	CGCTCGGCGA	GGTCCTGCAG
	81841	CACCCCCCGG	GCGGCCAGGG	CGTACATGCT	AATCAACAGG	AGGCTGGTGC	CCACCTCGGG
15	81901	GGGGGGGGGG	GGCTGCAGCT	GGACCAAGGGG	CCGCAGCTGC	TCGACGGCAC	CCCTGGAGAT
	81961	CACGTACAGC	TCCCAGGACA	GCTGCTCTAT	GTTGTCGGCC	ATCTGCATAG	TGGGGCCGAG
	82021	GCCGCCCCGG	GCGGCCGGTT	CGAGGAGGGT	GATCAGCGCG	CCCAGTTGG	TGCGATGGCC
	82081	CTCAACCGTG	GGGAGATAGC	CCAGCCCCAA	GTCCCCGGCC	CAGGCCAACAA	CACGCAGGGC
	82141	GAACTCGACC	GGGCGGGGAA	GGTAGGCCGC	GCTACACGTG	GCCCTCAGCG	CGTCCCCGAC
20	82201	CACCAGGGCC	AGAACGTAGG	GGACGAAGCC	CGGGTCCGGC	AGGACGTTGG	GGTGAATGCC
	82261	CTCGAGGGCG	GGGAAGCGGA	TCTGGGTGCG	CCGGGCCAGG	TGGACAGAGG	GGGCGTGGCT
	82321	GGGCTGCCCG	ACGGGGAGAA	GCGCGGACAG	CGGCGTGGCC	GGGGTGGTGG	GGGTGATGTC
	82381	CCAGTGGGTC	TGACCATACA	CGTCGATCCA	GATGAGCGCC	GTCTCGGGA	GAAGGCTGGG
	82441	TTGACCGGAA	CTAAAGCGC	GCTCGGCCGT	CTCAAACCTCC	CCCACGAGCG	CCCGCCGCAG
25	82501	GCTCGCCAGA	TGTTCCGTG	GCACGGCCGG	ACCCATGATA	CGGCCAGCG	TCTGGCTTAG
	82561	AACGCCCGCC	GACAGGCCGA	CCGCCTCGCA	GAGCCGCCCG	TGCGTGTGCT	CGCTGGCGCC
	82621	CTGGACCCGC	CTGAAAGTT	TTACGTAGTT	GGCATAGTAC	CCGTATTCCC	GCGCCAACCC
	82681	AAACACGTT	GACCCCGCGA	GGGCAATGCA	CCCAAAGAGC	TGCTGGACTT	CGCCGAGTCC
	82741	GTGGCCGGTG	GGCGTCCCGC	CGGGGACGCC	CGCCGCCAGA	AACCCCTCCA	GGGCCGAAAG
30	82801	GTAGTGCCTG	CAGTGCAGG	GGGTGAACCC	AGCGTCGATC	AGGGTGTGA	TCACCCACGGA
	82861	GGGCGAATTG	GTATTCTGGA	TCAACGTCCA	CGTCTGCTGC	AGCAGAGGCCA	GCAGCCGCTG
	82921	CTGGGCGCCG	GGGGAGGGCT	GCTCCCCGAG	CTGCAGCAGG	CTGGAGACGG	CAGGCTGGAA
	82981	GAETGCCAGT	GCCGACGAAC	TCAGGAACGG	CACGTGGGA	TCAAACACGG	CCACGTCCGT
	83041	CCGCACGCGC	GCCATTAGCG	TCCCCGGGGG	CGCACAGGCC	GAGCGCAGGGC	TGACGCGGCT
35	83101	GAGGCCGTC	GACACGCGCA	CCTCCTCGCG	GCTCGGAACC	ATCTGTTGG	CCTCGAGCGG
	83161	CGGAATCATT	ATGGCCGGGT	CGATCTCCCG	CACGGTGTG	TGAAACTGCG	CCAACAGGGG
	83221	CGGCGGGGAC	ACAGCCCCC	GCTCGGGGGT	CGTCAGGTAC	TCGTCCACCA	GGGCCAACGT
	83281	AAAGAGGGCC	CGTGTGAGGG	GAGTGAAGGT	CGCGTCGTCT	ATGCGCTGGA	GGTGCGCCGA
	83341	GAACAGCGTC	ACCCGATTAC	TCACCAAGGCC	CAAGAACCGG	AGGCCCTCTT	GCACGAACGG
40	83401	GGCGGGGAAG	AGCAGGCTGT	ACGCCGGGGT	GGTAAGGTT	GCGCTGGCT	GCCCCAACGG
	83461	GACCGGCGCC	ATCTTGAGCG	ACGTCTCCCC	AAGGGCCTCG	ATGGAGGTCC	GCGGGCTCAT
	83521	GGCCAAGCAG	CTCTTGGTGA	CGGTTTGCCA	GCGGTCTATC	CACTCCACGG	CGCACTGGCG
	83581	GACGCGGACC	GGCCCCCAGGG	CCGCCGCGGT	GCGCAGGCCG	GCGGAATCCA	GCGCATGGGA
	83641	CGTGTGCGAG	CCGGTGACCG	CGAGGATGGT	GTCCTTGATG	ACCTCCATCT	CCCGGAAGGC
45	83701	CTGGTCGGGG	GCCTCGGGGA	GAGCCACAC	CAAGCGGTG	ACGAGCAACC	CGGGGAGGTT
	83761	CTCGCCAAG	AGCGCCGTCT	CCGGGAAGCCC	GTGGGGCCGG	TGGAGCGCGC	ACAGGTGTT
	83821	CAGCAGCGGC	CGCCAGCAGT	CCCGCGCGTC	TGCCGGGGCG	ATGGCCGTT	CCGACAACAG
	83881	AAACGCCGCC	ATGGCGGCC	GCAGCTTGGC	CGTGGCCAGA	AACGCCGGGT	CGTCCGCC
	83941	GTGGCCGTC	TGGGCCGTGG	GGGTTGGCGG	TTGGCGAAGG	CCGGCTAGGC	TGCGCAATAG
50	84001	GCGCTGCATA	GGTCCGTCCTG	AGGGCGGAC	GGCGGGGTGAG	GTCTGACGA	CGGGGGCCTC
	84061	GGACGGGAGA	CGCGGGCTG	CCATGACGCC	CGGCTCGCGT	GGGTGGGGGA	CAGCGTAGAC
	84121	CAACGACGAG	ACCGGGCGGG	AATGACTGTC	GTGCGCTGTA	GGGAGCGGGC	AATTATCGAT
	84181	CCCCCGCGGC	CCTCCAGGAC	CCCCGCAGGC	GTTGCGAGTA	CCCCCGCTCT	TGCGGGGTG
	84241	TTATACGGCC	ACTTAAGTCC	CGGCATCCCG	TTCGCGGACC	CAGGCCGGGG	GGATTGTCGG
	84301	GATGTGCGGG	CAGCCCCGAC	GGCGTGGGGTT	GC GGACTTTC	TGCGGGGCCGG	CCCAAATGGC
55	84361	CCTTAAACG	TGTGTATACG	GACGCGCCGG	GCCAGTCGGC	CAACACAACC	CACCGGAGGC
	84421	GGTAGCCCGC	TTTGGCTGTG	GGGTGGGTGG	TTCCGCCTTG	CGTGAGTGT	CTTTCGACCC
	84481	CCCCCCCCCT	CCCTCCCCCG	GGTCTTGCTA	GGTCGCGATC	TGGGGTGC	ATGAAGACCA
	84541	ATCCGCTACC	CGCAACCCCT	TCCGTGTGGG	GGGGGAGTAC	CGTGGAACTC	CCCCCCACAA
	84601	CACGCGATA	CGCGGGACAG	GGCCTGCTTC	GGCGCGTCCT	GCGCCCCCG	ATCTCTCGCC

	84661	GCGACGGCCC	AGGGCTCCCC	AGGGGGTCGG	GACCCCGGAG	GGCggccAGC	ACGCTGTGGT
	84721	TGCTTGGCCT	GGACGGCACA	GACGCGCCCC	CTGGGGCGCT	GACCCCCAAC	GACGATAACG
5	84781	AACAGGCCCT	GGACAAGATC	CTGCGGGGCA	CCATGCGCGG	GGGGGCGGCC	CTGATCGGCT
	84841	CCCCCGCGCA	TCATCTAAC	CGCCAAGTGA	TCCTGACGGA	TCTGTGCCAA	CCCAACGCGG
	84901	ATCGTGCTGG	GACGCTGCTT	CTGGCGCTGC	GGCACCCCGC	CGACCTGCCT	CACCTGGCCC
	84961	ACCAGCGCGC	CCCGCCAGGC	CGGCAGACCG	AGCGGCTGGG	CGAGGCCTGG	GGCAGCTGA
10	85021	TGGAGGCAGC	CGCCCTGGGG	TGGGGGCGAG	CCGAGAGCGG	GTGCACGCGC	GCGGGCCTAG
	85081	TGTGTTTAA	CTTCCTGGTG	GCGGCGTGTG	CCGCCTCGTA	CGACGCGCGC	GACGCCGCCG
	85141	ATGCGGTACG	GGCCCACGTC	ACGGCCAAC	ACCGCGGGAC	GCGGGTGGGG	GCGGCCCTGG
	85201	ATCGTTTTTC	CGAGTGTCTG	CGCGCCATGG	TTCACACGCA	CGTCTTCCCC	CACGAGGTCA
15	85261	TGCGGTTTTT	CGGGGGGCTG	GTGTCGTGGG	TCACCCAGGA	CGAGCTAGCG	AGOGTCACCG
	85321	CCGTGTGCGC	CGGGCCCCAG	GAGGCGGCCG	ACACCGGCCA	CCCAGGCCGG	CCCGCGCTGG
	85381	CCGTGATCCT	CCCGGCATGT	GCGTTCGTGG	ACCTGGACGC	CGAGCTGGGG	CTGGGGGGCC
	85441	CGGGCGCGGC	GTTTCTGTAC	CTGGTATTCA	CTTACCGCCA	GCGCCGGGAC	CAGGAGCTGT
20	85501	GTTGTGTGTA	CGTGATCAAG	AGCCAGCTCC	CCCCGCGCGG	GTTGGAGCCG	GCCTCTGGAGC
	85561	GGCTGTTTGG	GCGCCTCCGG	ATCACCAACA	CGATTACCGG	CACCGAGGAC	ATGACGCC
	85621	CGGCCCAAA	CCGAAACCCC	GACTCCCCC	TCGCAGGCCT	GGCCGCAAT	CCCCAAACCC
	85681	CGCGTTGCTC	GGCTGGCCAG	GTCACGAACC	CCCAGTCGC	CGACAGGCTG	TACCGCTGGC
25	85741	AGCCGGACCT	GCGGGGGCGC	CCCACCGCAC	GCACCTGTAC	GTACGCCGCC	TTTGCAGAGC
	85801	TCGGCATGAT	GCCCAGGAT	AGTCCCCGCT	GCCTGCACCG	CACCGAGCGC	TTTGGGGCGG
	85861	TCAGCGTCCC	CGTTGTCATT	CTGGAAGGCG	TGGTGTGGCG	CCCCGGCGAG	TGGCGGGCAT
	85921	GCGCGTGAGC	GTAGCAAACG	CCCCGCCCAC	ACAACGCTCC	GCCCCCAACC	CCTTCCCCGC
	85981	TGTCACTCGT	TGTTCGTTGA	CCCGGGCGTC	CGCCAAATAA	AGCCACTGAA	ACCCGAAACCG
30	86041	CGAGTGTGTTG	AACGCTCTT	GGGCGGGGAGG	AAGCCACAAA	ATGCAAATGG	GATACATGGA
	86101	AGGAACACAC	CCCCGTGACT	CAGGACATCG	GTGTCCTT	TTGGGTTTCA	CTGAAACTGG
	86161	CCCGCGCCCC	ACCCCTGCGC	GATGTTGGATA	AAAAGCCAGC	GCGGGTGGTT	TAGGGTACCA
	86221	CAGGTGGGTG	CTTGGAAAC	TTGCCGGTCG	CCGTGCTCCT	GTGAGCTTGC	GTCCCTCCCC
	86281	GGTTTCCCTT	GCGCTCCCGC	CTTCCGGACC	TGCTCTCGCC	TACTCTTCTT	TGGCTCTCGG
35	86341	TGCGATTTCGT	CAGGCAGCGG	CCTTGTGAA	TCTGACCCC	ACCACTCGCC	GGACCCGCCG
	86401	ACGTCCCCCTC	TCGAGCCCGC	CGAAACCCG	CGCGTCTGTT	GAAATGGCCA	GCCGCCAGC
	86461	CGCATCCTCT	CCCCTCGAAG	CGCGGGCCCC	GGTTGGGGGA	CAGGAGGCCG	GCGGCCAG
	86521	CGCAGCCACC	CAGGGGGAGG	CCGCCGGGGC	CCCTCTCGCC	CACGGCCACC	ACGTGTACTG
	86581	CCAGCGAGTC	AATGGCGTGA	TGGTGCTTTC	CGACAAGACG	CCCAGGTCGG	CGTCTTACCG
40	86641	CATCAGCGAT	AACAACCTTG	TCCAATGTGG	TTCCAAC	ACCATGATCA	TCGACGGAGA
	86701	CGTGGTGC	GGGCGCCCCC	AGGACCCGGG	GGCCGCGGCA	TCCCCCGCTC	CCTTCGTTGC
	86761	GGTGACAAAC	ATCGGAGCCG	GCAGCGACGG	CGGGACCGCC	GTGTTGGCAT	TCGGGGAAC
	86821	CCCACGTC	TCGGCGGGGA	CGTCTACCGG	TAACCCAGACG	GCCGACGTCC	CCACCGAGGC
	86881	CCTTGGGGGC	CCCCCTCCTC	CTCCCCGCTT	CAACCTGGGT	GGCGGCTGTT	GTTCTGTCG
45	86941	CGACACACGG	CGCGCTCTG	CGGTATTCTGG	GGGGGAGGGG	GATCCAGTCG	GCCCCGCGGA
	87001	GTTCGTCTCG	GACGACGGGT	CGTCCGATT	CGACTCGGAT	GACTCGGAGG	ACACGGACTC
	87061	GGAGACGCTG	TCACACGCC	CCTCGGACGT	GTCCGGCGGG	GCCACGTACG	ACGACGCC
	87121	TGACTCCGAT	TCGTCATCGG	ATGACTCCCT	GCAGATAGAT	GGCCCCGTGT	GTGCCCCGTG
	87181	GAGCAATGAC	ACCGCGCCCC	TGGATGTTG	CCCCGGGACC	CCCAGGCCGG	GCGCCGACGC
50	87241	CGGTGGTCCC	TCAGCGGTAG	ACCCACACGC	GCCGACGCCA	GAGGCCGGCG	CTGGTCTTGC
	87301	GGCCGATCCC	GCCGTGGCCC	GGGACGACGC	GGAGGGGCTT	TCGGACCCCC	GGCCACGTCT
	87361	GGGAACGGGC	ACGGCCTACC	CCGTCCCCCT	GGAACTCACG	CCCGAGAACG	CGGAGGCCGT
	87421	GGCGCGCTT	CTGGGAGATG	CCGTGAACCG	CGAACCCCG	CTCATGCTGG	AGTACTTTG
	87481	CGGGTGC	CGCGAGGGAAA	CCAAGCGTGT	CCCCCCCAGG	ACATTGCGCA	GCCCCCTCG
55	87541	CCTCACGGAG	GACGACTTTG	GGCTTCTCAA	CTACCGCTC	GTGGAGATGC	AGGCCCTGTG
	87601	TCTGGACGTT	CCTCCGGTCC	CGCCGAACGC	ATACATGCC	TATTATCTCA	GGGAGTATGT
	87661	GACGCGGCTG	GTCAACGGGT	TCAAGCCGCT	GGTGAGCCG	TCCGCTCGCC	TTTACCGCAT
	87721	CCTGGGGGTT	CTGGTGCACC	TGCGGATCCG	GACCCGGAG	GCCTCTTTG	AGGAGTGGT
	87781	GCGATCCAAG	GAAGTGGCCC	TGGATTTGG	CCTGACGGAA	AGGCTTCGCG	AGCACGAAGC
	87841	CCAGCTGGTG	ATCCTGGCCC	AGGCTCTGGA	CCATTACGAC	TGTCTGATCC	ACAGCACACC
	87901	GCACACGCTG	GTCGAGCGGG	GGCTGCAATC	GGCCCTGAAG	TATGAGGAGT	TTTACCTAAA
	87961	GCGTTTGGC	GGGCACTACA	TGGAGTCGGT	CTTCCAGATG	TACACCCGCA	TCGCCGGCTT
	88021	TTTGGCCTGC	CGGGCCACGC	GCGGCATGCG	CCACATCGCC	CTGGGGCGAG	AGGGGTCGTG
	88081	GTGGGAAATG	TTCAGTTCT	TTTCCACCG	CCTCTACGAC	CACCAAGATCG	TACCGTCGAC
	88141	CCCCGCCATG	CTGAACCTGG	GGACCCGCAA	CTACTACACC	TCCAGCTGCT	ACCTGGTAAA

	88201	CCCCCAGGCC	ACCACAAACA	AGGCGACCCCT	GCGGGCCATC	ACCAGCAACG	TCAGTGCCAT
	88261	CCTCGCCC	AACGGGGCA	TCGGGCTATG	CGTGCAGGCG	TTAACGACT	CCGGCCCGG
5	88321	GACGCCAGC	GTCATGCCG	CCCTCAAGGT	CCTTGACTCG	CTGGTGGCGG	CGCACAAACAA
	88381	AGAGAGCGC	CGTCCGACCG	GCGCGTGC	GTACCTGGAG	CCGTGGCACA	CCGACGTGCG
	88441	GGCCGTGCTC	CGGATGAAGG	GGGTCC	CGGCGAAGAG	GCCCAGCGCT	GCGACAATAT
	88501	CTTCAGCGCC	CTCTGGATGC	CAGACCTGTT	TTTCAAGCGC	CTGATTGCC	ACCTGGACGG
10	88561	CGAGAAGAAC	GTCACATGGA	CCCTGTTCGA	CCGGGACACC	AGCATGTCG	TCGCCGACTT
	88621	TCACGGGGAG	GAGTTCGAGA	AGCTCTACCA	GCACCTCGAG	GTCATGGGGT	TCGGCGAGCA
	88681	GATA	AGGAGCTGG	CCTATGGCAT	TGTGCGCAGT	GC	CCGGGAGGCC
	88741	CTTCGTATG	TTCAAAGACG	CGGTGAACCG	CCACTACATC	TACGACACCC	AGGGGGCGGC
15	88801	CATCGCCGGC	TCCAACCTCT	GCACCGAGAT	CGTCCATCCG	GCCTCCAAGC	GATCCAGTGG
	88861	GGTCTGCAAC	CTGGGAAGCG	TGAATCTGGC	CCGATGCGTC	TCCAGGCAGA	CGTTGACTT
	88921	TGGCGGGCTC	CGCGACGCCG	TGCAGGCGT	CGTGCTGATG	GTGAACATCA	TGATCGACAG
	88981	CACGCTACAA	CCCACGCC	AGTGCACCCG	CGGCAACGAC	AACCTGCGGT	CCATGGGAAT
20	89041	CGGCATGCAG	GGCCTGCACA	CGGCCTGCCT	GAAGCTGGGG	CTGGATCTGG	AGTCTGCCGA
	89101	ATTTCA	GGGAGGAC	CTGAACAAAC	ACATCGCCGA	GGTGATGCTG	CTGTCGGCGA
	89161	CAACCGCCTG	TGCGTTCGCC	GGGCCCGTCC	CTTCAACCAC	TTTAAGCGCA	GCATGTATCG
	89221	CGCCGGCCGC	TTTCACTGGG	AGCGCTTCC	GGACGCCCGG	CCGCGGTACG	AGGGCGAGTG
	89281	GGAGATGCTA	CGCCAGAGCA	TGATGAAACA	CGGCC	AACAGCCAGT	TTGTCGCGCT
25	89341	GATGCC	CGCC	CGCAGATCTC	GGACGTCA	GAGGGCTTTG	CCCCCCTGTT
	89401	CACCAACCTG	TTCAGCAAGG	TGACCCGGGA	CGGCGAGACG	CTGCGCCCCA	ACACGCTCCT
	89461	GCTAAAGGAA	CTGGAACGCA	CGTTTAGCGG	GAAGCGCCTC	CTGGAGGTGA	TGGACAGTCT
	89521	CGACGCCAAG	CAGTGGTCCG	TGGCGCAGGC	GCTCCGTGC	CTGGAGCCA	CCCACCCCC
	89581	CGGGCGATTC	AAGACCGCGT	TTGACTACGA	CCAGAAGTTG	CTGATCGACC	TGTGTGCGGA
30	89641	CCGCCCCCCC	TACGTCGACC	ATAGCCAATC	CATGACCC	TATGTCACGG	AGAAGGCGGA
	89701	CGGGACCC	CCAGCCTCC	CCCTGGTCCG	CCTCTGGTC	CACGCATATA	AGGCGGGACT
	89761	AAAAACAGGG	ATGTACTACT	GCAAGGTTCG	CAAGGCGACC	AACAGCGGGG	TCTTGGCGG
	89821	CGACGACAAC	ATTGTCTGCA	TGAGCTGCGC	GCTGTGACCG	ACAAACCCCC	TCCCGGCCAG
	89881	GCCCCCGGCC	ACTGTCGTCG	CCG	CTCTCCCCTG	CTGCCATGG	TTCCCGGGCC
35	89941	CCAGCC	CTCT	GACGGCC	ACGGACCAGA	GCGCGACGGC	GGACCTGGCG
	90001	ATCCAGATT	CAAAGTGC	CGACCCCGAG	AGGTACTTCT	ACACCTCCC	GTGTCCCAC
	90061	ATTAACCACC	TGCGCTCCT	CAGCATCCTT	AACC	TGGAAACCGA	GCTTGT
	90121	GTGGGGGACG	AGGAGGACGT	CTCCAAGCTT	TCCGAGGGCG	AGCTCAGCTT	TTACCGCTTC
	90181	CTCTTCGCTT	TCCTGTGCGC	CGCCGACGAC	CTGGTTACGG	AAAACCTGGG	CGGCC
40	90241	GGCCTGTTT	AGCAGAAGGA	CATTCTCCAC	TACTACGTG	AGCAGGAATG	CATCGAAGTC
	90301	GTACACTCGC	CGGTGTACAA	CATCATCCAG	CTGGTGCTT	TCCACAACAA	CGACCAGGCG
	90361	CGCCGCGAGT	ACGTGGCCG	TACCATCAAC	CACCCGGCCA	TCCCGGCCAA	GGTGGACTGG
	90421	TTGGAAAGCGC	GGGTGCGGG	ATGCGCCTCC	GTTCCGGAAA	AGTTCA	TCT
	90481	ATCGAGGGCA	TCTTTTTG	CGCCTCGTT	GCCGCCATCG	CCTACCTTCG	CACCAACAA
45	90541	CTTCTGCGGG	TCACCTGCCA	GTCAAACGAC	CTCATCAGCC	GGGACGAGGC	CGTGCACACG
	90601	ACGGCCTCGT	GTTACATCTA	CAACAACTAC	CTCGGCGGGC	ACGCCAAGCC	CCCGCCCGAC
	90661	CGCGTGTACG	GGCTGTTCCG	CCAGGCGGTC	GAGATCGAGA	TCGGATTAT	CCGATCCCAG
	90721	GCGCCGACGG	ACAGCCATAT	CCTGAGCCCG	GGCGCGCTGG	CGGCCATCGA	AAACTACGTG
	90781	CGATTCA	CGGATCGCCT	GTTGGCCTT	ATCCACATGA	AGCCACTGTT	TTCCGCCCCA
50	90841	CCCCCGACG	CCAGCTT	GCTGAGCCTC	ATGTCACCG	ACAAACACAC	CAATT
	90901	GAGTGTGCA	GCACCTCTA	CGCCGGGGCG	GTGTC	GGAGTGTGAGT	GTGCGGGCGC
	90961	GCTTCTACCC	GTGTTGCCC	ATAATAAAC	TCTGAACCAA	ACTTTGGGTC	TCATTGTGAT
	91021	TCTTGTCA	GACGCGGGGG	TGGGAGAGGA	TAAAAGGCGG	CGAAAAGAGC	AGTAACCAGG
	91081	TCCGTCCAGA	TTCTGCGGGC	ATAGGATACC	ATAATT	TGGTGGGTCG	TTTGTTCGGG
55	91141	GACAAGCGC	CTCGTCTGAC	GTTTGGGCTA	CTCGTCCCAG	AATTGGGCCA	GGACGTCTT
	91201	GTAGAACGCG	GGTGGGGGG	CCTGGGTCG	CAACTGCTCC	AGAAACCTGT	CGCGGATATC
	91261	AGGGGCCGTG	ATATGCC	TCACGATAGA	TCGCGCCAGG	TTTCGTC	GGATGTCCTG
	91321	GTAGATAGGC	AGGC	GGAGAGTCCA	CGGCCCCCGC	TCTTGGGGC	CGATAAGCGA
	91381	TATGACGTAC	TTAATGTAGC	GGTGT	CCAC	ATGGTCATGG	GATCGGGGAG
	91441	CCAGTCCAGG	GACTCTGGGG	CGTCGTGGAT	GACGTGGCGT	CGCGGGTTGG	CCACATAACT
	91501	GCGGTGCTCT	TCCAGCAGCT	GCGCGTTC	GACCTGGACG	AGCTCGGGCG	GGGTGAGTAT
	91561	CTCCGAGGAG	GACGACCTGG	GGCCGGGGTG	GCCCCCGGTA	ACGTCCC	GATCCAGGGGG
	91621	GAGGTCC	TCGTCTTC	ATCCGCC	GATCTGTTGG	GTTAGAATT	CGGTCCACGA
	91681	GACGCGCGTC	TCGGTGCC	CGGCGGCC	CGGCAGAGGG	GGCCTGGTT	CCGTGGAGCG

	91741	CGAGCTGGTG	TGTTCCGGC	GGATGGCCC	CCGGGTCTGA	GAGCGACTCG	GGGGGGTCCA
	91801	GTGACATTG	CGCAGCACAT	CCTCCACGGA	GGCGTAGGTG	TTATTGGGAT	GGAGGTCGGT
	91861	GTGGCAGCGG	ACAAAGAGGG	CCAGGAACTG	GGGGTAGCTC	ATCTTAAAGT	ACTTTAGTAT
5	91921	ATCGCGACAG	TTGATCGTG	GAATGTAGCA	GGCGCTAATA	TCCAACACAA	TATCACAGCC
	91981	CATCAACAGG	AGGTCACTGT	CCGTGGTGTA	CACGTACGCG	ACCGTGTG	TGTGATAGAG
	92041	GTTGGCGCAG	GCATCGTCCG	CCTCCAGCTG	ACCCGAGTTA	ATGTAGGCGT	ACCCCAGGGC
	92101	CCGGAGAACG	CGAATACAGA	ACAGATGCGC	CAGACCCAGG	GCCGGCTTCG	AGGGCGCGGC
	92161	GGACGGCAGC	GCGGCTCCGG	ACCCGGCCGT	CCCCGGGTC	CCCGAGGCCA	GAGAGGTGCC
10	92221	GCGCCGGCGC	ATGTTGGAAA	AGGCAGAGCT	GGGTCTGGAG	TCGGTGATGG	GGGAAGGCGG
	92281	TGGAGAGGCG	TCCACGTCAC	TGGCCTCCTC	GTCCGTCCGG	CACTGGGCCG	TCGTGCGGGC
	92341	CAGGATGGCC	TTGGCTCCAA	ACACAACCAGG	CTCCATACAA	TTGACCCCCG	GATCGGTAAC
	92401	GAAGATGGGG	AAAAGGGACT	TTTGGGTAAA	CACCTTAAT	AAGCGACAGA	GGCAGTGTAG
	92461	CGTAATGGCC	TCGCGGTCGT	AACTGGGTA	TCGGCCCTGA	TATTTGACCA	CCAACGTGTA
15	92521	CATGACGTT	CACAGGTCCA	CGGCAATGGG	GGTGAAGTAC	CCGGCCGGGG	CCCCAAGGCC
	92581	CCGGCGCTTG	ACCAGATGGT	GTGTGTGGG	AAACTTCATC	ATCCCCGAAAC	AACCCATGTC
	92641	AGGTCAATTG	TAACTGCGGA	TCGGCCTAAC	TAAGGCGTGG	TTGGTGCGAC	GGTCCGGGAC
	92701	ACCCGAGCCT	GTCTCTCTGT	GTATGGTGAC	CCAGACAACA	ACACCGACAC	AAGAGGACAA
	92761	TAATCCGTTA	GGGGACGCTC	TTTATAATT	CGATGGCCCA	ACTCCACGCG	GATTGGTGCA
20	92821	GCACCCCTGCA	TGCGCCGGT	CGGGCCAACC	TTCCCCCGC	TCATTGCCCT	TTCCAAAAGG
	92881	GTGTGGCTA	ACGAGCTGGG	GGCGTATTTA	ATCAGGCTAG	CGCGGCGGGG	CTGCCGTAGT
	92941	TTCTGGCTCG	GTGAGCGACG	GTCCGGTTGC	TTGGGTCCCC	TGGCTGCCAT	CAAACCCCCA
	93001	CCCTCGCAGC	GGCATACGCC	CCCTCCCGGT	CCCGCACCCG	AGACCCCCGGC	CCGGCTGCC
	93061	TCACCACCGA	AGCCCACCTC	GTCACTGTGG	GGTGTTCCTA	GCCCGCGTTG	GGATGACGGA
25	93121	TTCCCCCTGGC	GGTGTGGCCC	CCGCCTCCCC	CGTGGAGGAC	GGTGCAGGAC	CGTCCCTCGG
	93181	GCAGCCGGAG	GAGGGGGCGC	CCTGCCAGGT	GGTCCTGCAG	GGCGCCGAAC	TTAATGGAAT
	93241	CCTACAGGCG	TTTGCCCCGC	TGCGCACGAG	CCTTCTGGAC	TCGCTTCTGG	TTATGGCGA
	93301	CCGGGGCATC	CTTATCCATA	ACACGATCTT	TGGGGAGCAG	GTGTTCCCTG	CCCTTGAACA
	93361	CTCGCAATT	AGTCGGTATC	GCTGGCGCGG	ACCCACGGCG	GGTTCCTGT	CTCTCGTGG
30	93421	CCAGAAAGCGC	TCCCTCCGTA	GCGTGTTCG	CGCCAACCAG	TACCCGGACC	TACGTCGGGT
	93481	GGAGTTGGCG	ATCACGGCC	AGGGCCCGTT	TCGCACGCTG	GTTCAGCGCA	TATGGACGAC
	93541	GACGTCCGAC	GGCGAGGGCG	TTGAGCTAGC	CAGCGAGACG	CTGATGAAGC	GCGAACTGAC
	93601	GAGCTTTGTG	GTGCTGGGTC	CCCAGGGAAC	CCCCGACGTT	CAGTTGCGCC	TGACGAGGCC
	93661	GCAGCTCACC	AAGGTCTCTA	ACCGCACCGG	GGCCGATAGT	GCCACGCCA	CCACGTTCGA
35	93721	GCTCGGGGTT	AACGGCAAAT	TTTCCGTGTT	CACCACGAGT	ACCTGCGTCA	CCTTTGCTGC
	93781	CCGCGAGGAG	GGCGTGTGCGT	CCAGCACCAAG	CACCCAGGTC	CAGATCCTGT	CCAACGCGCT
	93841	CACCAAGGCG	GGCCAGGCGG	CCGCCAACGCG	CAAGACGGTG	TACGGGAAA	ATACCCATCG
	93901	CACCTTCTCT	GTGGTCGTCG	ACGATTGCGAG	CATGCGGGCG	GTGCTCCGGC	GACTGCAGGT
	93961	CGGCGGGGGC	ACCCTCAAGT	TCTTCCCTCAC	GACCCCCGTC	CCCAGTCTGT	GCGTCACCGC
40	94021	CACCGGTCCC	AACCGGGTAT	CGCGGTTATT	TCTCCTGAAA	CCCCAGAAGA	TTTGCCTGG
	94081	CTGGCTGGGT	CATAGCCAGG	GGTCTCCCTC	AGCCGGGAGC	TCGGCCTCCC	GGGCCTCTGG
	94141	GAGCGAGCCA	ACAGACAGCC	AGGACTCCGC	GTCGGACGCG	GTCAGCCACG	GCGATCCGGA
	94201	AGACCTCGAT	GGCGCTGCC	GGGCGGGAGA	GGCAGGGGGC	TTGCATGCC	GTCCGATGCC
	94261	GTCGTGAC	ACGCGGGTCA	CTCCCACGAC	CAAGCGGGGG	CGCTCGGGGG	GCGAGGATGC
45	94321	GCGCGCGGAC	ACGGCCCTAA	AGAAACCTAA	GACGGGTCG	CCCACCGCAC	CCCCGCCCGC
	94381	AGATCCAGTC	CCCCTGGACA	CGGAGGACGA	CTCCGATGCG	GGGGACGGGA	CGCGGGCCCCG
	94441	TCCCGCCGCT	CCAGACGCC	GGAGCGGAAG	CCGTTACGCG	TGTTACTTTC	GCGACCTCCC
	94501	GACCGGAGAA	GCAAGCCCCG	GCGCCTTCTC	CGCCTTCCGG	GGGGGCCCCC	AAACCCCGTA
	94561	TGGTTTTGGA	TTCCCCCTGAC	GGGGCGGGGC	CTTGGCGGCC	GCCCAACTCT	CGCACCATCC
50	94621	CGGGTTAACG	TAAATAAACT	TGGTATTGCC	CAACACTTTC	CCGCGTGTG	C GTGTGGTT
	94681	ATGTGTGTG	CTGGCGCCCC	CACCCCTCGGG	TTCGTGTATT	TCCTTTCCCT	GTCCTTATAA
	94741	AAGCCGTATG	TGGGGCGTGA	CGGAACCACC	CCGCGTGC	TCACGGCCAA	GGCCGCGGGAT
	94801	GCTCCGCAAC	GACAGCCACC	GGGCCGTGTC	CCCAGGAGC	GGCCAGGGAC	GGGTGCGACGA
	94861	CGGACGGCCA	CACCTCGCGT	GCGTGGGGGC	CCTGGCGCG	GGGTTCATGC	ATATCTGGCT
55	94921	TCAGGCCGCC	ACGCTGGGTT	TTGCGGGATC	GGTCGTATG	TCGCGC	GGTACGCG
	94981	TGCCGCGTCT	GGGGCGTTCG	CCGTGGGTG	CGCCGTGCTG	GGCTTTATGC	GCGCACCCCC
	95041	TCCCCCTCGCG	CGGCCCACCG	CGCGGATATA	CGCCTGCTC	AAACTGGCGG	CCGGTGGAGC
	95101	GGCCCTTGTT	CTGTGGAGTC	TCGGGGAGCC	CGGCACGCG	CCGGGGGGCC	GGGCCCCGGG
	95161	CCCGGCCACC	CAGTGCCTGG	CACTGGGC	CGCCTATGCG	GCGCTCCTGG	TGCTCGGCCA
	95221	TGACGTCTAT	CCGCTTTTC	TCCTCGCCCC	GGGGCCCTG	TTCGTCGGCA	CCCTGGGGAT

	95281	GGTCGTCGGC	GGGCTGACGA	TCGGAGGCAG	CGCGCGCTAC	TGGTGGATCG	GTGGGCCCGC
	95341	CGCGCCGCC	CTGGCCCGG	CGGTGTTGGC	GGGCCCGGG	GCGACCACCG	CCAGGGACTG
5	95401	CTTTCCAGG	GCTTGCCCCG	ACCACCGCCG	CGTCTGTGTC	ATCACCGCAG	GCGAGTCTCT
	95461	TTCCCGCCGC	CCCCCGGAGG	ACCCAGAGCG	ACCCGGGGTT	CCCGGGCCCC	CGTCCCCCCC
	95521	GACCCCCAA	CGATCCCACG	GGCCGCCGGC	CGATGAGGTC	GCACCGGCCA	GGGTCGCGCG
	95581	GCCGAAAAC	GTCTGGGTGC	CCGTGGTCAC	CTTCTGGGG	GGGGCGCGC	TTGCCGTCAA
	95641	GACGGTGCAG	GAACATGCC	GGGAAACGCC	GGGCCCGGGC	CTGCCGCTGT	GGCCCCCAGGT
10	95701	GTTCCTCGGA	GGCCATGTGG	CGGTGGCCCT	GACGGAGCTG	TGTCAAGGCGC	TTCCGCCCTG
	95761	GGACCTTACG	GACCCGCTGC	TGTTTGTTC	CGCCGGA	CAGGTCA	ACCTCGGGTT
	95821	GGTGTTCGG	TTTCCGAGG	TTGTCGTGTA	TGCGGCGCTA	GGGGGTGCCG	TGTGGATTTC
	95881	GTTGGCGCAG	GTGCTGGGGC	TCCGGCGTCC	CCTGCACAGG	AAGGACCCCG	GGGACGGGGC
	95941	CCGGTTGGCG	GCGACGCTTC	GGGGCCTCTT	CTTCTCCGTG	TACGC	GGTTTGGGGT
15	96001	GGGGGTGCTG	CTGTGCCCTC	CGGGGTCAAC	GGGCCGGCGG	TGCGGCGATT	GATATATTTT
	96061	TCAATAAAAG	GCATTAGTCC	CGAAGACCCG	CGGTGTTGTA	TGATTTGCGC	ATAACACCCA
	96121	AACCCCGGAT	GGGGCCCGGG	TATAAATTCC	GGAAGGGGAC	ACGGGCTAAC	CTCACTATCG
	96181	AGGGCGCTTG	GTCGGGAGGC	CGCATCGAAC	GCACACCCCC	ATCCGGTGGT	CCGTGTGGAG
	96241	GTCGTTTCA	TGCCCCTGCT	CGCTTTGCCG	GGAAACGCTAG	CCGATCCCTC	GCGAGGGGGA
	96301	GGCGTCGGGC	ATGGCCCCGG	GGCGGGTGGG	CCTTGGCGTG	GTCCTGTGGA	GCCTGTTGTTG
20	96361	GCTCGGGGCG	GGGGGTGTC	GGGGCTCGGA	AACTGCC	ACCGGGCCCA	CGATCACCGC
	96421	GGGAGCGGTG	ACGAACGCGA	GCGAGGCC	CACATCGGGG	TCCCCCGGGT	CAGCCGCCAG
	96481	CCCGGAGGTC	ACCCCCACAT	CGACCCAAA	CCCCAACAA	GTCACACAAA	ACAAAACAC
	96541	CCCCAACCGAG	CCGGCCAGCC	CCCCAACAA	CCCCAAGCCC	ACCTCCACGC	CCAAAAGCCC
	96601	CCCCACGTCC	ACCCCGACC	CCAAACCCAA	GAACAACACC	ACCCCGCCA	AGTCGGGCCG
	96661	CCCCACTAAA	CCCCCGGGC	CCGTGTTGGT	CGACCGCCG	GACCCATTGG	CCCGGTACGG
25	96721	CTCGGGGTG	CAGATCCGAT	GCCGGTTTC	GAATTCCACC	CCGATGGAGT	TCCGCTCCA
	96781	GATATGGCGT	TACTCCATGG	GTCCGTC	CCCAATCGCT	CCGGCTCCCG	ACCTAGAGGA
	96841	GGTCCTGACG	AACATCACCG	CCCCACCCGG	GGGACTCCTG	GTTGACGACA	GCGCCCCCAA
	96901	CCTAACGGAC	CCCCACGTG	TCTGGGCGGA	GGGGGCCG	CCGGGCGCCG	ACCCCTCGTT
	96961	GTATTCTGTC	ACCGGGCCG	TGCCGACCC	GCGGCTGATT	ATCGGCGAGG	TGACGCCCGC
30	97021	GACCCAGGGA	ATGTATTACT	TGGCCTGGG	CCGGATGGAC	AGCCCACG	AGTACGGGAC
	97081	GTGGGTGCGC	GTCCGCATGT	TCCGCCCC	GTCTCTGACC	CTCCAGCCCC	ACCGGGTGAT
	97141	GGAGGGTCAG	CCGTTCAAGG	CGACGTGAC	GGCCGCCG	TACTACCGC	GTAACCCGT
	97201	GGAGTTGTC	TGGTTGAGG	ACGACCA	GGTGTAA	CCGGGCCAGA	TCGACACGCA
	97261	GACGCACGAG	CACCCGACG	GGTTCAC	AGTCTCTACC	GTGACCTCCG	AGGCTGTCGG
35	97321	CGGCCAGGTC	CCCCCGGG	CCTTCACCTG	CCAGATGACG	TGGCATCGCG	ACTCCGTGAC
	97381	GTTCTCGCGA	CGCAATGCCA	CCGGGCTGGC	CCTGGTGT	CCGGGCCAA	CCATCACCAT
	97441	GGAATTGGG	GTCCGCATTG	TGGTCTGAC	GGCGGGCTGC	GTCCCCGAGG	GCGTGACGTT
	97501	TGCCTGGTTC	CTGGGGGACG	ACCCCTCACC	GGCGGCTAAG	TGGCCGTTA	CGGCCAGGA
	97561	GTCGTGCGAC	CACCCGGG	TGGCTACGGT	CCGGTCCACC	CTGCCCATT	CGTACGACTA
40	97621	CAGCGAGTAC	ATCTGTC	TGACCGGATA	TCCGGCCGGG	ATTCCGTT	TAGAACACCA
	97681	CGGCAGTCAC	CAGCCCCAC	CCAGGGACCC	CACCGAGCGG	CAGGTGATCG	AGGCAGATCGA
	97741	GTGGGTGGGG	ATTGGAATCG	GGGTTCTG	GGCGGGGGTC	CTGGTCGTAA	CGGAATCGT
	97801	GTACGTCGTC	CGCACATCAC	AGTCGCGGCA	GCGTCATCG	CGGTAACGCA	AGACCCCCCCC
	97861	GTTACCTTT	TAATATCTAT	ATAGTTGGT	CCCCCTCTA	TCCCGCCCCAC	CGCTGGGGCG
45	97921	TATAAAGCCG	CCACCCCTC	TTCCCTCAGG	TCATCCTGG	TCGATCCC	ACGACACACG
	97981	GCGTGGAGCA	AAACGCCTC	CCCTGAGCCG	CTTCTCTACC	AACACAACGG	CATGCCTCTG
	98041	CGGGCATTGG	AAACACGCTA	CCGGCCCC	GGCCCCGGGA	CACCCCCCAT	GCGGGCTCGG
	98101	CTCCCCGCCG	CGGCCCTGGG	TGGCGTCGGG	ACCATCATCG	GGGGAGTTGT	GATATTGCG
	98161	GCGTGGTCC	TCGTGCC	GCGGGCCTCG	TGGGCAC	CCCCATGCGA	CAGCGGATGG
50	98221	CACGAGTTCA	ACCTCGGGT	CATATCCTGG	GATCCGACCC	CCATGGAGCA	CGAGCAGGCG
	98281	GTCGGCGGCT	GTAGCGCCC	GGCGACCC	ATCCCCCGCG	GGGCTGCCAA	ACAGCTGGG
	98341	GCGTCGAC	GCCTGCCAGTC	GGCAAGATCC	TGGGCTACT	GTTGGGTGAG	CGGAGACGGC
	98401	ATTCCGGCCT	GCCTGCCGCT	CGTCGACGGC	GTCGGCGGT	TTGACCAGTT	TTGCGAGGAG
	98461	CCCGCCCTTC	GCATATGCTA	CTATCCCCG	AGTCCCCGGG	GCTTGTCA	GTTTGTAACT
55	98521	TCGACCCGCA	ACGCGCTGGG	GCTGCCGTGA	GGCGCGTGA	CTGCCGTCTG	TCTCGTCTCC
	98581	TCTCTC	TTCCCTCCCC	CTCCGCATCC	CAGGATCACA	CCGGTCAAACG	AGGGTTGGGG
	98641	GGGTCCGGCA	CGGACCCAAA	ATAATAAACCA	CACAATCACG	TGCGATAAAA	AGAACACGCG
	98701	GTCCCCCTGTG	GTGTTTTGG	TTATTTTAT	TAAATCTCGT	CGACAAACAG	GGGAAAGGG
	98761	GCGTGGTCTA	GCGACGGCAG	CACGGGCCGA	GGCGTTCACC	GGCTCCGGCG	TCCTCGCGT

	98821	TTAAGCTTGG	TCAGGAGGGC	GCTCAGGGCG	GCGACGTTGG	TCGGGCCGTC	GTTCGGTCAGG
	98881	GCGTTGGCTC	GATGGCGGGC	GAGGACGGGC	GAGGGGCTCA	ACGGCGGGGG	CGGGGGCCCCG
	98941	GTGCCGCCCG	GGGGGGAAAA	TAGGGCGGAT	CCCCCCCAGT	CGTACAGGGG	ATTTCGCC
5	99001	TCAATGTACG	GGGAGGCCGG	CGCTGCATTC	GCCGTGTTCA	CGCAGACGTT	TTCGTAGACC
	99061	CGCATCCATG	GTATTCCTC	GTAGACACGC	CCCCCGTCCT	CGCTCACCGT	CTCGTATATT
	99121	GACTCGTCGT	CCTCGTAGGG	GGCGTGCCGT	TCGCGGGCCG	AGGCGGCGTG	GGTGGCTTTG
	99181	CGGCCGCCGT	CGTCGTGTC	GTCGTCGGCC	GTCAGATAACG	TGGCTTCCAT	CTGGTCGGGT
	99241	TCTCCCTCCG	GGGCAGGTCC	CCACACCCGT	GGCGATCGA	GGCTCCCCAG	AGACGCGCGC
10	99301	CGGACGAGGA	GGGGGCACGT	CGCCGCCGGC	GGTCGCTGT	GGGGTCCCCG	GACGTTACGG
	99361	GCGGGGAGGC	GCGGGGGCAC	CTCCCCCATG	TGCGTGTAAAT	ACGTGGCCGG	CTGTGTGGCC
	99421	GCAGCGGGGG	GCTCGGGCAC	CGGGTCGTTTC	GCATCCGGAA	GCGGGGGGCC	CGCGCCGTCC
	99481	GCGCGGCGCC	TCCGGAACCT	CCGGGTGGAC	GCGGGGGTCG	AGTGTAGGCG	AGGTGGGGGG
	99541	AGGGGGCGGGG	GCTCGTTGTC	GCGCCGCGCC	CGCTGAATCT	TTTCCGACA	GGTCCCACCC
15	99601	CCC CGCGAT	GCCCCCCC GG	GCCGCTGGCC	ATGTCGTCCG	GGGGAGGCC	CGCGGACCAC
	99661	GTCGTCCGGC	GAGACGCCAC	GAGCCGCGAGG	ATGGACTCGT	AGTGGAGCGA	CGGGGCCCG
	99721	TTGCGGAGCA	GATCCGCGGC	CAGGGCGGGCC	CCGAACCAAG	CCTTGATGCT	CAACTCCATC
	99781	CGGGGCCAGC	TGGGGCGGT	CATCGTGGGG	AACAGGGGGG	CGGTGGTCG	ACAGAACACG
	99841	TCCTGGCTGT	CCACCGCGGC	CCGCAGATAAC	TCGTTGTTCA	GGCTGTCGGT	GGCCCAGACG
	99901	CCGTACCCGG	TGAGGGTCGC	GTTGATGATA	TACTGGCGT	GGTGTATGGAC	GATCGACAGA
20	99961	ACCTCCACCG	TGGATACGAC	GGTATCCACG	GTCCCGTACG	TACCGCCGCT	CCGCTTGCCG
	100021	GTCTGCCACA	GGTTGGCTAG	GCGCGTCAGG	TGGCCCAGGA	CGTCGCTGAC	CGCCGCCCTG
	100081	AGC GCCATGC	ACTGCATGGA	GCCGGTCGTG	CCGCTGGGAC	CCC GGTCAG	ATGGCGCGCG
	100141	AACGTTTCCG	CGGGCGCCTC	CGGGCTGCCG	CCGAGCGGGG	GGAACCGGGG	ATTGGAGGGG
	100201	CTCAGCCGGT	GACATACGTG	CTTGTCCGTC	GTCCACAGCA	TCCAGGACGC	CCACCGGTAC
25	100261	AGCACGGAGA	CGTAGGCCAG	GAGCTCGTTG	AGCCGAGTG	CGGTGTGCGT	GCTGGGGCGG
	100321	CTTGGGTCCG	CGGGCGCAT	AAAAGAACATG	TACTGCTGAA	TCCGATGGAG	GGCGTCGCGC
	100381	AGGCCGGCA	CGGTGGCGGC	GTACTTGGCC	GCCACGGCCC	CGCTCTTGAA	CGGGGTGCGC
	100441	GCCAGCAGCT	TTGGCGCCAG	GGTGGGCCG	AGCAGCACGT	GAAGGCTGGG	GTCCGAGTCG
	100501	CCCACGGGGT	CCTCGGGGAC	GTCCAGGCCG	CTGGGCACCA	CCGCTCTGAG	GTACTTCCAG
30	100561	TACTGCGTGA	GGATGGCGCG	GCTCAACTGG	CCGCCGGGCA	GCTCCACCTC	GCCCCAGCGCC
	100621	TGGGTGGCGG	CCGAAGCGTA	GTGCCGGATG	TACTCGTAGT	CGGGGTCGCT	GGCGAGCCCG
	100681	TCCACGATCA	AACTCTCGG	AAACCGTGTG	TGTTGCCGCG	CGGCCAACCG	GACGCTGCGA
	100741	TCGGTGCAGG	TCAGAAACGC	CGGCTGCGCG	TCGTCGGAGC	GCTGCCGCAA	GGCGCCCCACG
	100801	GCCCGCCTAA	GGAGCCCCCTC	CGGGGGTGGGG	AGCAGACACC	CGCCGAAGAT	GCGCCGCTCG
35	100861	GGAACGCCCG	CGTTGTGCC	GCGGATCAGG	TTGGCAGGCG	TCAGGCACCG	CGCCAGCCGC
	100921	AGGGAGCTCG	CGCCGCGCGT	CGGGCGCTGC	ATGGTACGC	CCGTTCGGTC	GGGACCCGCC
	100981	GGT CCGAGTT	ATGCCGCGTC	CAGGGCCATC	GGGGCGCTTT	TTATCAGGGAG	GAGCTTATGG
	101041	GC GTGGCGGG	CCTCCCAGCC	CGGTCGCGCG	CCTCCCCGAC	ACGTGCGCCC	GCAGGGCGGC
	101101	GGCCCCCTCG	TCTCCCATCA	GCAGTTTCC	AAACTGGAC	ATGATGTCCA	CCACCGGGAC
40	101161	CCGCGGGGCC	AACACGGGAC	CGCCGCTTAC	GGGGCGGGG	GGGAAGGGCT	CCAGGTCTT
	101221	GAGAAGAAAG	GC GGGGTCTG	CCGTCCCGGA	CACGGGGGCC	CGGGGGCGCTG	AGGAGGCGGG
	101281	GCGCAGATCC	ACGTGCTCCG	CGGCCGCGCG	GACGTCCGCC	CAGAACTTGG	CGGGGGTGGT
	101341	GCGCGCGTAC	AGGGGCTGGG	TCGCTCGGAG	GACGCACGCG	TAGCGCAGGG	GGGTGTACGT
	101401	CCCCCACCTCG	GGGGCGCGTGA	ATCCCCCGTC	AAACGCGGCC	AGTGTACCGC	ACGCCACAC
45	101461	GGTGTGCGCA	AAGCCCAGCA	GCCGCTGCAG	GACGAGCCCG	CGGGCCAGAA	TGGCGCGC
	101521	GGCCGCCCGCG	TCGTCCCCGGC	GCCGGTGC	GTCCCCGCC	GCCCGGGCGT	ACTTTAAGGT
	101581	CACGGTCGCC	AGGGCCGTGT	GCAGCGCGTA	CACCGCAGCG	CCCAGCACGG	CGTTGAGGCC
	101641	GCTGTTGGCG	AGCAGCCGGC	GGCCTGCCGT	GTGCCAGCAG	GCCTCGTGT	CGGGCCCCAC
	101701	GACCGCGGGG	CTTCCCAGGG	GCAGGGCGCG	AAACAGCTCC	TCCCGCGCCA	CGTC CGCAA
50	101761	GGCGGGGTGG	TGCACGTGCG	GGTGCAGGCG	CGCCCCCACG	ACCACCGAGA	GC CACTGGAC
	101821	CGTCTGCTCC	GCCATCACCG	CCAGCACATC	CAGCACGCGC	CCCAGGAAGG	CGGCCTCCCG
	101881	CGTCAAAACG	CACCGGACGG	CGTCGGGATT	GAAGGGGGCG	AGCAGGGCCC	CGGTGGCCAG
	101941	GTACGTCATG	CGGCCGGCAT	AGCAGGGCGGC	CACGCCACAG	TCGCGGTCCA	GCAGCGCGCG
	102001	CACCCCGGGC	CAGTACAGCA	GGGACCCCAG	CGAGCTGCGG	ACACCGCGG	CGTCGGGGCC
55	102061	GGATTGGGGG	GACACTAAC	CCCCCGCGCT	CAGTAACGGC	ACGGCCGCGG	CCCGCACGGG
	102121	ACGCAACGCG	GTGAGGCTCG	CGAAGCTGCCG	CCTCACTCG	GGCGCCCTGT	CGTCCAGGTC
	102181	AGACCCGCGC	GCCTCCCGGT	GAAGGCGCGT	CCCGCACACC	CACCCGTTGA	TGGCCAGCCG
	102241	CACGACGGCA	TCCGCCAAAA	AGCTCATCGC	CTGGGCGGGG	CTGGTTTTG	TTCGACGATC
	102301	CGTCAGGTCA	AGAATCCCAT	CGCCCGTGAT	ATACCAGGCC	AACGCCCTCGC	CC TGCTGCG

	102361	GGTTTGGCGG AAAAACACCG CGGGGTTGTC	GGGGGAGGCG AAGTGCATGA CCCCCACGCG
	102421	CGATAACCCG AACCGCCTAT CCGGACACCGG	GTAAAACCCG GCCGGATGCC CCAGGGCTAG
	102481	GGCGGAGCGC ACGGACTCGT CCCACACCGC	AACCTGAGGG GCCAGTCGAT CCAACGGGAA
5	102541	TGCCGCCGG AGCTCCGGGC CGGGCACGCG	TCCCTCCAGA ACTTCCACCT TGGCGGGGA
	102601	ACGGGCCCCG CGGCCGTCCT CGGGCCCGAC	GGCTTCCGGG TAGTCGTCCT CCTCGTACTG
	102661	CAGCTCCTCT AGGAACAGCG GCGACGGCGC	CACCCGCGAA CGCCGACCC GCCCCAAAT
	102721	AGCCCAGCGC TCGACGGGAC CCAGGTATCC	CCCCTGCCGG GCCTGCGGAG GACCGCGGGG
	102781	AACCTCATCA TCATCGTCCA GGCGACCGCG	CACCGACTGG CTACGGGCCG CATCGGGCC
0	102841	GGGGCGCTGC CGGGACGCTC GGCGATGGGA	TGTGGCGGG GCTTCCGACG CGCGCCGTCG
	102901	TCGGGCTCGC GGGCCTTCCC GTCGACGGCG	CACGGGCGGC TCGTCGCCCC CCATCTCTC
	102961	CAGAGCCTCT AGCTCGCTGT CGTCATCCCC	GCGGAACACC GCACGCAGGT ACCCCATGAA
	103021	CCCCACCCCA TCGCCCGCTG GCTCGTCCGC	CACGGGCGAG GCGCGGGGGC GGGTGGATGC
	103081	GCGCCTCCTG CGCCCCGCGG GTTCGCGAGC	CGACATGGTG GCGATAGACG CGGGTTATCG
5	103141	GATGTCCGCT ACCCCCCAAA AAAGAAAAAG	ACCCCACAGC GCGGATGGAG GCGGGGTA
	103201	GTGCCGCCGG ACCCCCCTCGC GATGGGAATG	GACGGGAGCG ACGGGGCCGG CGCAAAAAAA
	103261	CGCAGTATCT CCCCGCAAGG CTACCCGCCG	CCCCAGCCCC CGGCCAAATG CGGAAACGGT
	103321	CCCGCGCTCT CGCCTTTATA CGCGGGCGC	CCTCGCAGAC AATCACCGT CGTGGTTTC
	103381	GAATCTACAC GACAGGCCCG CAGACCGGC	TAACACACAC GCCGGCAACC CAGACCCAG
	103441	TGGGTTGGTT GCGCGGTCCC GTCTCTGGC	TAGTTCTTC CCCCACCAAC AAATAATCAG
0	103501	ACGACAACCG CAGGTTTTGT AATGTATGT	CTCGTGTAA TTGTTGGATAC GAACCGGTGA
	103561	CGGGAGGGGA AAACCCAGAC GGGGGATGCG	GGTCCGGTCG CGCCCCCTAC CCACCGTACT
	103621	CGTCAATTCC AAGGGCATCG GTAAACATCT	GCTCAAACTC GAAGTCGGCC ATATCCAGAG
	103681	CGCCGTAGGG GGC GGAGTCG TGGGGGTA	ATCCCGGCC CGGGGAATCC CGTCCCCCA
	103741	ACATGTCCAG ATCGAAATCG TCTAGCGCG	CGGCATGCGC CATGCCACG TCCTCGCCGT
5	103801	CTAAGTGGAG CTCGTCCCCC AGGCTGACAT	CGGTGGGGG GGC CGTCGAC AGTCTCGCG
	103861	TGTGTCCCGC GGGGAGAAAG GACAGGCGC	GAGCCGCCAG CCCCGCTCT TCGGGGCGT
	103921	CGTCGTCCGG GAGATCGAGC AGGCCCTCGA	TGGTAGACCC GTAATTGTT TTCGTACGCG
	103981	CGCGGTGTA CGCGTGTTC CGCATGACC	CCTCGGAGGG CGAGGTCGT AAGCTGGAAT
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	104101	CATGCAGGGT GGGGAGGGTC GTCAACGGC	CCCCCTGGCTC CTCCGTAGCC GCGCTCGCG
	104161	CCAGCAGGGAG GTTAAGGTGC TCGCGAATG	GGTTTAGCTC CCGCAGCCGG CGGGCCTCGA
	104221	TTGGCACTCC CGCGACGGTG AGCGCTCCG	TGACGAACAT GAAGGGCTGG AACAGACCCG
	104281	CCAAGTACG CCAAGCTCTC AGGTCGCAAC	AGAGGCAGTC AAACAGGTCG GGCGCATCA
	104341	TCTGCTCGGC GTACCGGGCC CATAGGATCT	CGCGGGTCAA AAATAGATAC AAATGCAAA
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	104461	GCATTTCTCC CAGGTGCGCA TCGCGTCCG	GCATGTGCGC CTGGCGGTGC AGCTGCCGGA
	104521	CGCTGGCGCG CAGGTACCGG TACAGGGCCG	AGCAGAAGTT GGCAACACG GTTCGATAGC
	104581	TCTCCTCCCG CGCCCGTAGC TCGCGTGG	AGAAACAGAGA GAGCGCTTCG TAGTAGAGCC
	104641	CGAGGCCGTC GCGGGTGGCC GGAAGCGTAG	GGAAAGGCCAC GTCGCCGTGG GCGCGAATGT
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	104761	TTGATAGGAA TTTACACTCC CGGTACAGGT	CGGCGTGGT CGGTAGCGCC GAAAACAGAT
	104821	CCTCGTTCCA GGTATCGAGC ATGGTACATA	GCGCGGGGCC CGCGCTAAAG CCCAAGTCGT
	104881	CGAGGAGACG GTTAAAGAGG GCGGGGGGG	GGACGGGCAT GGGTGGGGAG GGCATGAGCT
	104941	GGGCCTGGCT CAGGCCGCCCC GTTGCCTAC	CGGGGGGGGC CGCCGGGGTG TTTTGGGAC
15	105001	CCCCGGCCGG GCGGGGGGGC GGTGGCGAAG	CGCCGTCGGC GTTCATGTCG GCAAACAGCT
	105061	CGTCGACCAA GAGGTCCATT GGGTGGGGT	GATACGGGAA AGACGATATC GGGCTTTGA
	105121	TGCGATCGTC CCCGCCGCC CAGAGAGTGT	GGGACGGCCCG ACGGCGCGGG AAGAGAAAAC
	105181	CCCCAAACGC GTTAGAGGGAC CGGACGGACC	TTATGGGGGG AAGTGGGCAG CGGAAACCCC
	105241	GTCCGTCTCC GAGGAATGAC AGCCCGTGGT	CGCCACCAAG CATTAAAGCA ACCCGCACGG
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	105361	GGGCGGGCTGT CCAACCCACC CCCCCGCCACC	CAGTCCCGGT CCCCGTCGGA TTGGGAAACAA
	105421	AAGGCACGCA ACGCCAACAC CGAATGAACC	CCTGTTGGTG CTTTATTGTC TGGGTACGGA
	105481	AGTTTCACT CGACGGGCCG TCTGGGGCGA	GAAGCGGAGC GGGCTGGGGC TCGAGGTGCG
	105541	TCGGTGGGGC GCGACGCCGC AGAACGCC	CGAGTCGCCG TGGCCGCGTC GACGCTCTGC
25	105601	ACCACGTCTG GATTCACCAA CTCGGTGGCG	CGCTGAAGCA GGTTTTTGCC CTCGCGAGACC
	105661	GTCACCGCGA TGGTGGGTGAT GCCAAGGAGT	TCGTTGAGGT CTTCGTCTGT CGCGGGACGC
	105721	GACATGTCCC AGAGCTGGAC CGCCGCCATC	CGGGCATGCA TGGCCGCCAG GCGCCCGACCC
	105781	GCGGCGCAGA AGACCGCGCTT GTTAAAGCCG	GCCACCCGGG GGGTCCATGG CGCGTCGGGG
	105841	TTTGGGGGG CGGTGCTAAA GTGCAGCTT	CTGGCCAGCC CCTGCGCGGG TGTCTGGAT

	105901	CGGGTTGGCG	CCGTCGACGC	GGGGGCGTCT	GGGAGTGCAG	CGGATTCTGG	CTGGGCGAT
	105961	TTCCTGCCGC	GGGTGGTCTC	CGCCGCCGGG	GCCGCGGGGG	CCTTAGTCGC	CACCCGCTGG
	106021	GTCGGGGGGG	CCC GG GGG G	GGTGGTGGGT	GTGCGTCCGG	CCCCTCCGGA	CCCAGCGGGT
	106081	GGCGGAGGCG	CCC CGC CAGG	CCCCGGGCGG	GACAAAACCG	CCCCGGAAAC	GGGACGCCGC
5	106141	GTCCGGGGGA	CCTCCGGGT	TTCGTCGTCT	TCGGATGACG	AGCCCCCGTA	GAGGGCATAA
	106201	TCCGACTCGT	CGTACTGGAC	GAAACGGACC	TCGCCCCCT	GGCGCGAGCG	TGTCTGTAGG
	106261	GCGCACGGC	GGGAGGTGTC	AGGCGGACTA	TCGGGACTCG	CCATACCTGA	AGACGGGGTG
	106321	TAGTACAGAT	CCTCGTACTC	ATCGCGCGGA	ACCTCCCAGC	GACCCGACTT	CACGGAGCGG
	106381	CGAGAGGTCA	TGGTTCCACG	AACACGCTAG	GGTCGGATGC	GCGGACAATT	AGGCCTGGGT
10	106441	TCGGACGGCG	GGGGTGGTGC	AGGTGTGGAG	AGGTCGAGCG	ATAGGGGCGG	CCCAGGAGAG
	106501	AAGAGAGGGT	CCGAAAACC	CACTGGGAT	GCGTGAGTGG	CCCTCTGTGG	GCGGTGGGGG
	106561	AGAGTCTTAT	AGGAAGTGCA	TATAACCACA	ACCCATGGGT	CTAACCAATC	CCCAGGGGCC
	106621	AAGAAACAGA	CACGCCCAA	ACGGTCTCGG	TTTCCCGAG	GAAGGGGAAG	TCCTGGGACA
	106681	CCCTCCACCC	CCACCCCTCA	CCCCACACAG	GGCGGGTTCA	GGCGTGCCCG	GCAGCCAGTA
15	106741	GCCTCTGGCA	GATCTGACAG	ACGTGTGCGA	TAATACACAC	GCCCATCGAG	GCCATGCCTA
	106801	CATAAAAGGG	CACCAGGGCC	CCC GG GGG CAG	ACATTGGCC	AGTGTTTTGG	GTCTCGCACC
	106861	GCGGCCCCC	GATCCCATCG	CGCCCGCCCT	CCTCGCCGGG	CGGCTCCCCG	CGCGGGCCCG
	106921	CGTCTCCCAG	CGCTAAGGCG	ACGAGCAAGA	CAAACAACAG	GCCCGCCCGA	CAGACCCCTTC
	106981	TGGGGGGGCC	CATCGTCCCT	AACAGGAAGA	TGAGTCAGTG	GGGATCCGGG	GCGATCCTTG
20	107041	TCCAGGCCGA	CAGCTTGGGT	CGGGGGTACCG	ATGGCGACTG	GCACACGGCC	GTCGCTACTC
	107101	GCGGGGGCGG	AGTCGTGCAA	CTGAACCTGG	TCAACAGGCG	CGCGGGTGGCT	TTTATGCCGA
	107161	AGGTTAGCGG	GGACTCCGGA	TGGGCGTCC	GGCGCGTCTC	TCTGGACCTG	CGAATGGCTA
	107221	TGCGGGCTGA	CTTTTGCAGC	ATTATTCAAG	CCCCCGCGCT	AGCCAGCCCC	GGG CACCACG
	107281	TAATACTGGG	TCTTATCGAC	TCGGGGTACCG	CGGGAACCGT	TATGGCCGTG	GTCGTAGCGC
25	107341	CTAAAAGGAC	GCGGGAAATT	GCCCCCGGGG	CCCTCGGGGT	CGACGTGACG	TTCTGGACAA
	107401	TCCTGGCGAC	CCCCCCCAGG	CTCACCGAGC	CGATTTCCT	CGGGCAGTTC	CCGCAACTGG
	107461	CGCCCCCCCC	TCCAACCGGG	GCCGGGATAC	GCGAAGATCC	TTGGTTGGAG	GGGGCGCTCG
	107521	GGGCCCCAAG	CGTGACTACG	GCCCTACCGG	CGCGACGCCG	AGGGCGGTCC	CTCGTCTATG
	107581	CCGGCGAGCT	GACGCCGGTT	CAGACGGAAC	ACGGGGACGG	CGTACGAGAA	GCCATCGCCT
30	107641	TCCTTCCAAA	ACCGGAGGAG	GATGCCGGTT	TCGACATTGT	CGTCCGTGCG	CGGGTCACCG
	107701	TCCCCGGAAA	CGGCACCAACG	GTCGTGCAGC	CATCCCTCCG	CATGCTCCAC	CGGGACGCCG
	107761	GGCCCCCGGC	CTGCTATGTG	TTGGGGCGGT	CGTCGCTCAA	CGCCCCGCGGC	CTCCTGGTCG
	107821	TTCCCTACGCG	CTGGCTCCCC	GGGCACGTAT	GTGCGTTTGT	TGTTTACAAC	CTTACGGGGG
	107881	TTCCCTGTGAC	CCTCGAGGCC	GGCGCCAAGG	TCGCCAGCT	CCTGGTTGCG	GGGGCGGACG
35	107941	CTCTTCCCTG	GATCCCCCG	GACAACTTTC	ACGGGACCAA	AGCGCTTCGA	AACTACCCCA
	108001	GGGGTGTTC	GGACTCAACC	GCCGAACCCCA	GGAACCCGCC	GTCCTGGTG	TTTACGAACG
	108061	AGTTTGACGC	GGAGGCCCCC	CCGAGCGAGC	CGGGGACCGG	GGGTTTTGGT	TCTACCGGT
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	108181	TGTGTGTAGT	TGTTTATGTT	GGATGCCTGT	GGGTCTATCA	CACCCGCC	TCCATCCAC
40	108241	AAACACAAAA	CACACGGGTT	GGATGAAAAC	ACGCATTAT	TGACCCAAA	CACACGGAGC
	108301	TGCTCGAGAT	GGGCCAGGGC	GAGGTGCGGT	TGGGGAGGCT	GTAGGTCTGG	GAACGGACAC
	108361	GCGGGGACAC	GATTCCGGTT	TGGGGTCCGG	GAGGGCGTCG	CCGTTTCCGG	CGGCAGGCCG
	108421	CAGCGTAACC	TCCGGGGCG	GGCGTGTGGGG	GTGCCCAAG	GAGGGCGCCT	CGGTCAACCC
	108481	AATCCCCCCC	GACCGGGTT	CCCCGGCAAC	CCCGAAGGCG	GAGAGGCCAA	GGGCCCGTTC
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	108601	GACGAGCACA	TCCCGGGACT	TGTCAAGCCG	CCCCACGGAC	ATGTACATCT	GCAGGATGGT
	108661	GGCCATACAC	GTGTCCGCCA	GGCGCCGCAT	CTTGTCTGA	TGGGCGGCCA	CGGCCCGTC
	108721	GATCGTGGGG	GCCTCGAAC	CGGGGTGGTG	CGCGCCAGT	CGTTCTAGGT	TCACCATGCA
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50	108841	CCCCAGGGCG	TCATCGAGCG	TGATGGGGC	GGGAAGTAGC	CGGTTAACGA	CGGCCAGGGC
	108901	CTCCTGCAGC	CGCGGCTCCG	CCTCCGAGGG	CGGAACGGCC	CGCGGGATCA	TCTCATATTG
	108961	TTCCCTGGGG	CGCGCTCCCC	AGCCACATAT	AGCCCCGAGA	AGAGAAAGCCA	TCGCGGGCGG
	109021	GTACTGGCCC	TTGGGCGC	GGACGCAATG	GGGCAGGAAG	ACGGGAACCG	CGGGGAGAGG
	109081	CGGGCGGCCG	GGACTCCCCT	GGAGGTGACC	GCGCTTATG	CGACCGACGG	GTGCGTTATT
55	109141	ACCTCTTCGA	TCGCCCTCCT	CACAAACTCT	CTACTGGGGG	CCGAGCCGGT	TTATATATT
	109201	AGCTACGACG	CATACACGCA	CGATGGCCGT	GCCGACGGGC	CCACGGAGCA	AGACAGGTT
	109261	GAAGAGAGTC	GGCGCCTCTA	CCAAGCGTCG	GGCGGGCTAA	ATGGCGACTC	CTTCCGAGTA
	109321	ACCTTTGTT	TATTGGGGAC	GGAAAGTGGGT	GGGACCCACC	AGGCCCGCGG	GCBAACCCGA
	109381	CCCATGTTCG	TCTGTGCGCTT	CGAGCGAGCG	GACGACGTG	CCGCGCTACA	GGACGCCCTG

	109441	GCGCACGGGA	CCCCGCTACA	ACCGGACCAC	ATCGCCGCCA	CCCTGGACGC	GGAGGCCACG
	109501	TTCGCGCTGC	ATGCGAACAT	GATCCTGGCT	CTCACCGTGG	CCATCAACAA	CGCCAGCCCC
	109561	CGCACCGGGAC	GCGACGCCGC	CGCGCGCAG	TATGATCAGG	GCGCGTCCCT	ACGCTCGCTC
	109621	GTGGGGCGCA	CGTCCCTGGG	ACAACGCGGC	CTTACCAACGC	TATACTCCA	CCACAGAGGTG
5	109681	CGCGTGCTTG	CCCGTACCG	CAGGGCGTAT	TATGGAZAGCG	CGCAGAGTCC	CTTCTGGTTT
	109741	CTTAGCAAAT	TCGGGCCGGA	CGAAAAAAAGC	CTGGTGCTCA	CCACTCGGT	CTACCTGCTT
	109801	CAGGCCAGC	GTCTGGGGGG	CGCGGGGGCC	ACGTACCGACC	TGCAGGCCAT	CAAGGACATC
	109861	TGCGCCACCT	ACCGGATTCC	CCACGCCCCC	CGCCCCGACA	CCGTCAGCGC	TGCGTCCCTG
	109921	ACCTCGTTG	CCGCCATCAC	CGGGTTCTGT	TGCACGZAGCC	AGTACGCCCG	CGGGGCCGCG
10	109981	GC GGCCGGGT	TTCCGCTTTA	CGTGGAGCGC	CGTATTZCGG	CCGACGTCCG	CGAGACCAGT
	110041	GCGCTGGAGA	AGTTCATAAC	CCACGATCGC	AGTTGCCTGC	GCGTGTCCGA	CCGTGAATT
	110101	ATTACGTACA	TCTACCTGGC	CCATTTGAG	TGTTTCZAGCC	CCCCGCGCCT	AGCCACGCAT
	110161	CTTCGGGCCG	TGACGACCCA	CGACCCCAAC	CCCGCGGCCA	GCACGGAGCA	GCCCTCGCCC
	110221	CTGGGCAGGG	AGGCCGTGGA	ACAATTTTTT	TGTCACCGTGC	GCGCCCAACT	GAATATCGGG
15	110281	GAGTACGTCA	AACACAAACGT	GACCCCCCGG	GAGACCGTCC	TGGATGGCGA	TACGGCCAAG
	110341	GCCTACCTGC	GCGCTCGCAC	GTACCGGCC	GGGGCCCTGA	CGCCCGGCC	CGCGTATTGC
	110401	GGGGCGGTGG	ACTCCGCCAC	CAAATGATG	GGGCGTTTGG	CGGACGCCGA	AAAGCTCCTG
	110461	GTCCCCCGCG	GGTGGCCCGC	GTGGCGCC	GCCAGTCCCG	GGGAGGACAC	GGCAGGGCGGC
	110521	ACGCCGCC	CACAGACCTG	CGGAATTGTC	AAGGCCTCC	TGAGACTGGC	CGCCACGGAA
20	110581	CAGCAGGGCC	CCACACCCCC	GGCGATCGCG	GCGCTTATCC	GTAATGCGGC	GGTGCAGACT
	110641	CCCCTGCCCG	TCTACCGGAT	ATCCATGGTC	CCCACGGAC	AGGCATTGTC	CGCGCTGGCC
	110701	TGGGACGACT	GGGCGCGAT	AACGCGGGAC	GCTCGCTTGG	CCGAAGCGGT	CGTGTCCGCC
	110761	GAAGCGCGG	CCGACCCCCG	CCACGGCGCG	CTGGGCZAGGC	GGCTCACGGA	TCGCATCCGC
	110821	GCCCAGGGCC	CCGTGATGCC	CCCTGGCGGC	CTGGATGCCG	GGGGGCAGAT	GTACGTGAAT
25	110881	CGCAACGAGA	TATTCAACGG	CGCGCTGGCA	ATCACAAACA	TCATCCTGGA	TCTCGACATC
	110941	GCCCTGAAGG	AGCCCGTCCC	CTTCGCGCCG	CTCCACCGAGG	CCCTGGGCCA	CTTTAGGCGC
	111001	GGGGCTCTGG	CTGCGGTTCA	GCTCTGTTT	CCCGCGGCC	GCGTGGACCC	CGACGCATAT
	111061	CCCTGTATT	TTTTCAAAAG	CGCATGTCGG	CCCGGCC	CGTCCGTGGG	TTCCGGCAGC
	111121	GGACTCGGCA	ACGACGACGA	CGGGGACTGG	TTTCCCZIGCT	ACGACGACG	CGGTGATGAG
30	111181	GAGTGGCGG	AGGACCCGGG	CGCCATGGAC	ACATCCCACG	ATCCCCCGGA	CGACGAGGTT
	111241	GCCTACTTTG	ACCTGTGCCA	CGAAGTCGGC	CCCACGGCGG	AACCTCGGA	AACGGATTG
	111301	CCCGTGTGTT	CCTGCACCGA	CAAGATCGGA	CTGCGGZGTG	GCATGCCCGT	CCCCGCCCG
	111361	TACGTCGTCC	ACGGTTCTCT	AACGATGCGG	GGGGTGGCAC	GGGTCACTCA	GCAGGCGGTG
	111421	CTGTTGGACC	GAGATTTGT	GGAGGCCATC	GGGAGCZTACG	AAAAAAACTT	CCTGTTGATC
35	111481	GATACGGGGG	TGTACGCCA	CGGCCACAGC	CTGCGCTTGC	CGTATTGTC	AAAATGCC
	111541	CCCGACGGGC	CTGCGTGC	AAGGCTGCTG	CCAGTGTZTTG	TGATCCCCC	CGCCTGCAA
	111601	GACGTTCCGG	CGTTTGTCGC	CGCGCACGCC	GACCCGCGGC	GCTTCCATT	TCACGCCCCG
	111661	CCCACCTATC	TCGCTTCCCC	CCGGGAGATC	CGTGTCTGC	ACAGCCTGGG	TGGGGACTAT
	111721	GTGAGCTTCT	TTGAAAGGAA	GGCGTCCCGC	AACGCGCTGG	AACACTTTGG	GCGACGCGAG
40	111781	ACCCTGACGG	AGGTCCCTGGG	TCGGTACAAAC	GTACAGCCGG	ATGCGGGGGG	GACCGTCGAG
	111841	GGGTTCGCAT	CGGAACCTGCT	GGGGCGGATA	GTGCGCTGCA	TCGAAACCCA	CTTTCCCGAA
	111901	CACGCCGGCG	AATATCAGGC	CGTATCCGTC	CGGCGGZCCG	TCAGTAAGGA	CGACTGGGTC
	111961	CTCCTACAGC	TAGTCCCCGT	TCGCGGTACC	CTGCAGCZAAA	GCCTGTCGTG	TCTGCGCTTT
	112021	AAGCACGGCC	GGCGAGTCG	CGCACCGCG	CGGACATTCG	TCGCGCTGAG	CGTGGGGGCC
45	112081	AAACACCGCC	TGTGCGTGT	CTTGTGTCAG	CAGTGTZTTG	CCGCCAAATG	CGACAGCAAC
	112141	CGCCTGCACA	CGCTGTTTAC	CATTGACGCC	GGCACGZCAT	GCTGCCGTC	CGTTCCTGTC
	112201	AGCACCTCTC	AACCGTCGTC	TTGATAACGG	CGTACGZCCT	CGTGTCTCGT	TGGTACACCG
	112261	TCTTCGGTGC	CAGTCGCGT	CACCGATGTA	TTTACGZGGT	ACGCCAAC	GGCACCAACA
	112321	ACGACACCGC	CCTCGTGTGG	ATGAAAATGA	ACCAGACZCT	ATTGTTCTG	GGGGCCCCGA
50	112381	CGCACCCCC	CAACGGGGC	TGGCGCAACC	ACGCCZATAT	CTGCTACGCC	AATCTTATCG
	112441	CGGGTAGGGT	CGTGCCTTC	CAGGTCCCAC	CTGACGZCAT	GAATCGTGG	ATCATGAACG
	112501	TCCACGAGGC	AGTTAACGT	CTGGAGACCC	TATGGTZACAC	ACGGGTGCGT	CTGGTGGTC
	112561	TAGGGTGGTT	CCTGTATCTG	CGCTGCGTC	CCCTCCZACCA	ACGCCGATGT	ATGTTGGCG
	112621	TCGTGAGTCC	CGCCCACAAAG	ATGGTGGCC	CGGCCACZCTA	CCTCTTGAAC	TACGCAGGCC
55	112681	GCATCGTATC	GAGCGTGT	CTGCAGTACC	CCTACAGZGAA	AATTACCGC	CTGCTCTGCG
	112741	AGCTGTGGT	CCAGCGGCAA	AACCTGGTC	AGTTGTTG	GACGGACCCG	GTCACCTTCT
	112801	TGTACCAACG	CCCCGCCATC	GGGGTCATG	TAGGCTZCGA	GTGATGCTA	CGCTTTGTGG
	112861	CCGTGGGTCT	CATCGTCGGC	ACCGCTTTCA	TATCCCZGGG	GGCATGTGCG	ATCACATACC
	112921	CCCTGTTCT	GACCATCACC	ACCTGGTGTT	TTGTCZCCAC	CATCGGCCTG	ACAGAGCTGT

	112981	ATTGTATTCT	GCGGCGGGGC	CCGGCCCCCA	AGAACGCAGA	CAAGGCCGCC	GCCCCGGGGC
5	113041	GATCCAAGGG	GCTGTCGGGC	GTCTGCGGGC	GCTGCTGTTC	CATCATCCTC	TCGGGCATCG
	113101	CAGTGCATT	GTGTTATATC	GCCGTGGTGG	CCGGGGTGTT	GCTCGTGGCG	CTTCACTACG
	113161	AGCAGGAGAT	CCAGAGGCCG	CTGTTGATG	TATGACGTCA	CATCCAGGCC	GGCGAAACC
10	113221	GTAACGGCAT	ATGCAAATTG	GAAACTGTCC	TGTCTTGGGG	CCACACCCACC	CGACGCGTCA
	113281	TATGCAAATG	AAAATCGGT	CCCCGAGGCC	ACGTGTZAGCC	TGGATCCCAA	CGACCCCGCC
	113341	CATGGGTCCC	AATTGGCCGT	CCCGTTACCA	AGACCAZACCC	AGCCAGCGTA	TCCACCCCCG
	113401	CCCGGGTCCC	CGCGGAAGCG	GAACGGGTA	TGTGATZATGC	TAATTAAATA	CATGCCACGT
15	113461	ACTTATGGTG	TCTGATTGGT	CCTTGTCTGT	GCCGGAGGTG	GGGCGGGGGC	CCCGCCCGGG
	113521	GGGCGGAACG	AGGAGGGGTT	TGGGAGAGCC	GGCCCCGGCA	CCACGGGTAT	AAGGACATCC
	113581	ACCACCCGGC	CGGTGGTGGT	GTGCAGCCGT	GTTCAZACCA	CGGTACACGCT	TCGGTGCCCTC
	113641	TCCCCGATT	GGGCCCGGT	GCTCGCTACC	GGTGCACCA	CACCAGAGGC	CATATCCGAC
20	113701	ACCCCAGCCC	CGACGGCAGC	CGACAGCCCG	GTCATGCGA	CTGACATTGA	TATGCTAATT
	113761	GACCTCGGCC	TGGACCTCTC	CGACAGCGAT	CTGGACGAGG	ACCCCCCCC	GCCGGCGGAG
	113821	AGCCGCGCG	ACGACCTGGA	ATCGGACAGC	AGCGGGGAGT	GTTCTCGTC	GGACGAGGAC
	113881	ATGGAAGACC	CCCACGGAGA	GGACGGACCG	GAGCCGZATAC	TCGACGCCGC	TCGCCCGGCG
25	113941	GTCCGCCCGT	CTCGTCCAGA	AGACCCCGGC	GTACCCZAGCA	CCCAGACGCC	TCGTCGGACG
	114001	GAGCGGCAGG	GCCCCAACGA	TCCCTAACCA	GCGCCCAACA	GTGTGTGGTC	GCGCCTCGGG
	114061	GGCCGGCGAC	CGTCTTGCTC	CCCCGAGCAG	CACGGGGGCA	AGGTGGCCCG	CCTCCAACCC
30	114121	CCACCGACCA	AAGCCCAGCC	TGCCCCGGC	GGACGCZCGT	GGCGTCGCAG	GGGTCGGGGT
	114181	CGCGGTGGTC	CCGGGGCTGC	CGATGGTTTG	TCGGACCCCC	GCCGGCGTGC	CCCCAGAAC
	114241	AATCGCAACC	CTGGGGGACC	CCGCCCCGGG	GCGGGGZTGA	CGGACGGCCC	CGGGCCCC
	114301	CATGGCGAGG	CGTGGCGCGG	CAGTGAGCAG	CCCGACCCAC	CCGGAGGCCA	GCGGACACGG
35	114361	GGCGTGCAC	AAGCACCCCC	CCCGCTAATG	ACGCTGCGA	TTGCCCCCCC	GCCCGCGGAC
	114421	CCCCCGGCC	CGGCCCCGGA	GCGAAAGGCG	CCCGCCZCCG	ACACCATCGA	CGCCACCAACG
	114481	CGGTTGGTCC	TGCGCTCCAT	CTCCGAGCGC	GCGGCGZCTG	ACCGCATTAG	CGAGAGCTTT
	114541	GGCCGCAGCG	CACAGGTCA	GCACGACCCC	TTTGGGGGGC	AGCCGTTTCC	CGCCGCGAAT
	114601	AGCCCCCTGG	CCCCGGTGT	GGCAGGGCCAA	GGAGGGZCCCT	TTGACGCCGA	GACCAGACGG
40	114661	GTCTCCTGGG	AAACCTTGGT	CGCCACCGC	CCGAGCZCTCT	ATCGCACTTT	TGCGGGCAAT
	114721	CCTCGGGCCG	CATCGACCGC	CAAGGCCATG	CGCGACTGCG	TGCTGCGCCA	AGAAAATTTC
	114781	ATCGAGGC	TGGCCTCCGC	CGACGAGACG	CTGGCGZTGGT	GCAAGATGTG	CATCCACAC
	114841	AACCTGCCG	TGCGCCCCCA	GGACCCATT	ATCGGGZACGA	CCGCGGCTGT	GCTGGATAAC
	114901	CTCGCACGC	GCCTGCGGCC	CTTTCTCCAG	TGCTACZTGA	AGGCGCGAGG	CCTGTGCGGC
45	114961	CTGGACGAAC	TGTGTTCGCG	GCAGCGTCTG	GCGGACZATTA	AGGACATTGC	ATCCTTCGTG
	115021	TTTGTCAATT	TGGCCAGGCT	CGCCAACCGC	GTCGAGZCGT	GGCTCGCGGA	GATCGACTAC
	115081	GCGACCCITG	GTGTCGGGGT	CGGAGAGAAG	ATGCATTTCT	ACCTCCCCGG	GGCCTGCATG
	115141	CGGGGCCCTGA	TCGAAATCCT	AGACACGCAC	CGCCAGZAGT	GTTCGAGTCG	TGTCTGCGAG
	115201	TTGACGGCCA	GTCACATCGT	CGCCCCCCCC	TACGTGZACG	GCAAATATTT	TTATTGCAAC
	115261	TCCCTGTTTT	AGGTACAATA	AAAACAAAAC	ATTTCAZACCA	AATCGCCCT	CGTGTGTC
50	115321	TTCTTGCTC	ATGGCCGGCG	GGGCGTGGGT	CACGGCZAGAT	GGCGGGGGTG	GGCCCGGCGT
	115381	ACGGCCTGGG	TGGGCGGAGG	GAACTAACCC	AACGTAZAAA	TCCGTCCTCG	TTCCAAGGCC
	115441	GGTGTCTAG	TGCCCTTAGG	AGCTCCCGC	CCGGGCZCAT	CCCCCCTTTT	GCACTATGAC
	115501	AGCGACCCCC	CTCACCAACC	TGTTCTTACG	GGCCCCZGGAC	ATAACCCACG	TGGCCCCCCC
55	115561	TTACTGCCTC	AACGCCACCT	GGCAGGCCGA	AACGGCZCATG	CACACCAGCA	AAACGGACTC
	115621	CGCTTGCCTG	GCCGTGCGGA	GTTACCTGGT	CCGCGCZCTCC	TGTGAGACCA	GCGGCACAAT
	115681	CCACTGCTTT	TTCTTGCGG	TATACAAGGA	CACCCAZCCAC	ACCCCTCCGC	TGATTACCGA
	115741	GCTCCGCAAC	TTTGCGGACC	TGGTTAACCA	CCCGCCZGGTC	CTACCGCAAC	TGGAGGATAAA
	115801	GCGCGGGGTG	CGGCTGCGGT	GTGCGCGGCC	GTTTAGZCGTC	GGGACGATTA	AGGACGTCTC
	115861	TGGGTCCGGC	GCGTCCTCGG	CGGGAGAGTA	CACGATZAAAC	GGGATCGTGT	ACCACTGCCA
55	115921	CTGTCGGTAT	CCGTTCTCAA	AAACATGCTG	GATGGGGZGGCC	TCCGCGGCC	TACAGCACCT
	115981	GCGCTCCATC	AGCTCCAGCG	GCATGGCCGC	CCGCGCZGGCA	GAGCATCGAC	GCGTCAGAT
	116041	TAAAATTAAAG	GCGTGATCTC	CAACCCCC	ATGAATZGTG	GTAACCCCC	CCAAAAAAAT
	116101	AAAGAGCCGT	AACCCAACCA	AACCAGGCC	GGTGTGZAGTT	TGTGGACCCA	AAGCCCTCAG
	116161	AGACAAACGCG	ACAGGCCAGT	ATGGACCGTG	ATACTTZTAT	TTATTAACTC	ACAGGGCGC
	116221	TTACCGCCAC	AGGAATACCA	GAATAATGAC	CACCAZAAATC	GCGACCACCC	CAAATACAGC
	116281	ATGGCGCCAC	ACCACGCCAC	AACAGCCCTG	TCGCGCZGTAT	GGGGCATGAT	CAGACGAGCC
	116341	GCGCGCCGCG	CGTTGGGCC	TGTACAGCTC	GCGCGAATTG	ACCCCTAGGAG	GCCGCCACGC
	116401	GCCCCGAGTTT	TGCGTTCGTC	GCTGGTCGTC	GGGCGCZAAA	GCCCCGGACG	GCTGTTCGGT
	116461	CGAACGAAACG	GCCACGACAG	TGGCATAGGT	TGGGGGZGTGG	TCCGACATAG	CCTCGCGCTA

	116521	CGTCGGGAGG	CCCGACAAGA	GGTCCCTTGT	GATGTCGGGT	GGGGCCACAA	GCCTGGTTTC
	116581	CGGAAGAAC	AGGGGGGTTG	CCAATAACCC	GCCAGGGCCA	AAACTCCGGC	GCTGCGCACG
	116641	TCGTCGGCG	CGGCCCGGG	CGCGCCGAGC	GGCTCCCTGG	CGGGCTTGGC	GTGAGCAGGC
	116701	CCGCTCCGAC	GCCTCGCCCT	CTCCGGAGGA	GGTGGCGGA	ATTGGCACGG	ACAACAGGGG
5	116761	CCCAGCAGAG	TACGGTGAG	GTGGGTCCGT	GGGGGTGTCC	AGATCAATAA	CGACAAACGG
	116821	CCCCTCGTTC	CTACCAGACA	AGCTATCGTA	GGGGGGCGGG	GGATCAGCAA	ACGCGTTCCC
	116881	CGCGCTCCAT	AAACCCCGGT	CGGGTTGCGC	CGCCTCCGAA	GCCATGGATG	CGCCCCAAAG
	116941	CCACGACTCC	CGCGCGCTAG	GTCCTTGGGG	TAATGGAAAA	GGCCCTACTC	CCCATCCAAG
10	117001	CCAGCCAAGT	TAACGGGCTA	CGCCTTCGGG	AATGGGACTG	GCACCCCCGGC	GGATTTGTT
	117061	GGGCTGGCAT	GCGTCGCCA	ACCGAGGGCC	GCGTCCACGG	GACGCGCCCT	TTATAACCCC
	117121	GGGGGTCATT	CCCAACGATC	ACATGCAATC	TAACTGGCTC	CCCTCTCCCC	CCCTCTCCCC
	117181	TCTCCCCCCC	TCTCCCCCTCT	CCCCCCCCCT	CCCCTCTCCC	CCCCTCTCCC	CTCTCCCCCC
	117241	CTCTCCCCCTC	TCCCCCCCCTC	TCCCCCTCTCC	CCCCCTCTCC	CCTCTCCCCC	CCTCTCCCCCT
15	117301	CTCCCCCCCC	CTCCCCCTCTC	CCCCCCCCTC	CCCTCTCCCC	TCTGCTCTTT	CCCCGTGACA
	117361	CCCGACGCTG	GGGGCGTGGC	TGCCGGGAGG	GGCCGCGGAT	GGGCGGGCCT	ACTTGGTTTC
	117421	CCGCCCCCCC	CCCCCCCCCC	CGAACCGCCC	CGCCGGCTTT	GCCCCCCTTT	GATCCCCCTGC
	117481	TACCCCCAAC	CCGTGCTGGT	GGTGCGGGTT	GGGGGGGGAT	GTGGGCGGGG	GTGCGCGGGA
	117541	GGTGTGGTG	GTGGTGGTGG	TGGTGGTAGT	AGGAATGGTG	GTGAGGGGGG	GGGGCGCTG
20	117601	GTTGGTCAAA	AAAGGGAGGG	ACGGGGGCCG	GCAGACCGAC	GGCGACAAACG	CTCCCCGGCG
	117661	GCCGGGTCGC	GGCTCTTACG	AGCGGCCCCG	CCCGCGCTCC	CACCCCCCGG	GCCGTGTCCT
	117721	TGCTTCCCCC	CCGTCTCCCC	CCCCCCCCGCC	TTCTCTCTCT	CCTCTCTCGTT	TTTCAAACCC
	117781	CCGCCCACCC	GGCCCGGGCC	GGCCCGGGCC	GGCCCGGGCCA	CCGCCGCCCA	CCCACCCACC
	117841	TCGGGATACC	CAGCCCCGGT	CCCCCGTTCC	CCGGGGGGCCG	TTATCTCCAG	CGCCCCGTCC
25	117901	GGCGCGCCGC	CCCCCGCCGC	TAAACCCCAT	CCCGCCCCCG	GGACCCCCACA	TATAAGCCCC
	117961	CAGCCACACG	CAAGAACAGA	CACCGAGAAC	GGCTGTGTTT	ATTAAATAA	ACCAATGTCG
	118021	GAATAAACAA	ACACAAACAC	CCCGCAGCGG	GGGACGGAGG	GGACGGAGGG	AGGGGGTGC
	118081	GGGGGACGGG	AAACAGACACA	AAAACAACCA	AAAAAAACAA	CCACCCACCG	ACACCCCCAC
	118141	CCCAGTCTCC	TCGCCTTCTC	CCACCCACCC	CACGCCCGCA	CTGAGCCCCG	TCGATCGACG
30	118201	AGCACCCCCG	CCCACGCC	CGCCCCCTGCC	CCGGCGACCC	CCGGCCCGCA	CGATCCCAC
	118261	AACAATAACA	ACCCCAACGG	AAAGCGGCGG	GGTGTGGGG	GAGGCAGAGGA	ACAACCGAGG
	118321	GGAACGGGGG	ATGGAAGGAC	GGGAAGTGG	AGTCCTGATA	CCCATCCTAC	ACCCCCCTGC
	118381	CTTCCACCC	CCGGCCCCCC	GCGAGTCCAC	CCGCCGGCCG	GCTACCGAGA	CCGAACACGG
	118441	CGGCCGCCGC	AGCCGCCGCA	GCCGCCGCCG	ACACCGCAGA	GCCGGCGCGC	GCACTCACAA
35	118501	GCGGCAGAGG	CAGAAAGGCC	CAGAGTCATT	GTTTATGTGG	CCGCGGGCCA	GCAGACGGCC
	118561	CGCGACACCC	CCCCCCCCGC	CGTGTGGGTA	TCCGGCCCCC	CGCCCCCGCGC	CGGTCCATT
	118621	AGGGCGCGCG	TGCCC CGAG	ATATCAATCC	GTAAAGTGT	CTGCAGACAG	GGGCACCGCG
	118681	CCC GGAAATC	CATTAGGCCG	CAGACGAGGA	AAATAAAATT	ACATCACCTA	CCCACGTGGT
	118741	GCTGTGGCCT	GTTTTGCTG	CGTCATCTCA	GCCTTTATAA	AAGCGGGGGC	GCGGCCGTGC
	118801	CGATCGCGGG	TGGTGCAGAA	GACTTTCCGG	GCGCGTCCGG	GTGCCGCGGC	TCTCCGGGCC
40	118861	CCCCCTGCAGC	CGGGCGGCC	AAGGGCGTC	GGCGACATCC	TCCCCCTAAG	CGCCGGCCGG
	118921	CCGCTGGTCT	GTTTTTCTG	TTTCCCCCGTT	TCGGGGGTGG	TGGGGGGTGC	GGTTTCTGTT
	118981	TCTTTAACCC	GTCTGGGCTG	TTTTTCGTT	CGTCGCCGGA	ATGTTTCGTT	CGTCTGTCCC
	119041	CTCACGGGGC	GAAGGCCGCG	TACGGCCCGG	GACGAGGGGC	CCCCGACCCGC	GGCGGTCCGG
45	119101	GCCCGTCCG	GACCCGCTCG	CCGGCACCGC	ACCGGAAAAAA	GGCCCCCCCCG	AGGCTTTTCC
	119161	GGGTTCCC	CCCCGGGCGC	GAGATGAACA	CTCGGGGTTA	CCGCCAACGG	CCGGCCCCCG
	119221	TGGCGGCC	CCCCGGGGCC	CCGGCGGACC	CAAGGGGCC	GGGCCCCGGG	CCCCACAAACG
	119281	GCCCGGCGCA	TGCGCTGTGG	TTTTTTTCTC	CTCGGTGTT	TGCCGGGCTC	CATCGCTTT
	119341	CCTGTTCTCG	CTTCTCCCCC	CCCCCTTCTT	CACCCCCAGT	ACCCCTCCTCC	CTCCCTTCCT
50	119401	CCCCCGTTAT	CCCACCTGTC	GAGGGCGCCC	CGGTGTGTT	CAACAAAGAC	GCCGCGTTTC
	119461	CAGGTAGGTT	AGACACCTG	TTCTCCCCAA	TAGAGGGGGG	GGACCCAAAC	GACAGGGGGC
	119521	GCCCCAGAGG	CTAAGGTCGG	CCACGCCACT	CGCGGGTGGG	CTCGGTGTTAC	AGCACACCG
	119581	CCC GTTCTTT	TCCCCCTCTC	CCACCCCTAG	TCAGACTCTG	TTACTTACCC	GTCCGACCAC
	119641	CAACTGCC	CTTATCTAAG	GGCCGGCTGG	AAGACCGCCA	GGGGGTCGGC	CGGTGTGCGCT
	119701	GTAACCCCCC	ACGCCAATGA	CCCACGTACT	CCAAGAAGGC	ATGTGTCCA	CCCCCGCTGT
55	119761	GTTTTGTG	CTGGCTCTCT	ATGCTTGGGT	CTTACTGCCT	GGGGGGGGGG	AGTGCGGGGG
	119821	AGGGGGGGT	TGGAAGGAAA	TGCAAGGCCG	GTGTGTACCC	CCCCTAAAGT	TGTTCTCTAAA
	119881	GCGAGGATAC	GGAGGAGTGG	CGGGTGCCGG	GGGACCGGGG	TGATCTCTGG	CACGCGGGGG
	119941	TGGGAAGGGT	CGGGGGAGGG	GGGGATGGAG	TACCGCCCA	CCTGGCCGCG	CGGGTGCACG
	120001	TGCCTTGCA	CACCAACCCC	ACGTCCCCCG	CGGGTCTCTA	AGAAGCACCG	CCCCCCCCCTCC

	120061	TTCATACCAAC	CGAGCATGCC	TGGGTGTGGG	TTGGTAACCA	ACACGCCAT	CCCCTCGTCT
5	120121	CCTGTGATTC	TCTGGCTGCA	CCGCATTCTT	GTTTTCTAAC	TATGTTCTG	TTTCTGTCTC
	120181	CCCCCCCCCCC	ACCCCTCCGC	CCCACCCCCC	AACACCCACG	TCTGTGGTGT	GGCCGACC
	120241	CTTTGGGCG	CCCCGTCCCC	CCCCGCCACC	CCTCCCATCC	TTTGTGCCC	TATAGTGTAG
10	120301	TTAACCCCCC	CGGCCCTTG	TGGGGGCCAG	AGGCCAGGTC	AGTCCGGGCG	GGCAGGCC
	120361	CGCGGAAACT	TAACACCCAC	ACCCAACCCC	CTGTGGTTCT	GGCTCCATGC	CAGTGGCAAGG
	120421	ATGCTTTCGG	GGATCGGTGG	TCAGGCAGCC	CGGGCCCGGG	CTCTGTGGTT	AACACCAGAG
	120481	CCTGCCAAC	ATGGCACCCC	CACTCCCACG	CACCCCCACT	CCCACGCACC	CCCACCTCCC
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	120601	CCCACGCACC	CCCACCTCCC	CGCACCCCCA	CTCCCACGCA	TCCCCGCGAT	ACATCCAA
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	120721	GAGTTTTTTT	TTATTAGGGC	CAACACAAAA	GACCCGCTGG	TGTGTGGTGC	CCGTGTCTTT
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	120901	CGGGTCGACG	CCCCCTGCTC	CCCGGACCC	GGGTGCCGAG	ACCGCAGGCT	GCGGAAGTCC
	120961	AGGGCGCCCA	CTAGGGTGCC	CTGGTCGAAC	AGCATGTTCC	CCACGGGGGT	CATCCAGAGG
	121021	CTGTTCCACT	CCGACGCGGG	GGCCGTCGGG	TACTCGGGGG	GCATCACGTG	GTTACCCCG
	121081	GTCTCGGGGA	GCAGGGTGC	GGGGCTCCAG	CCGGGGACCG	CGGCCCGCAG	CCGGGTCC
	121141	ATGTTTCCC	TCTGGTCCAC	CAGGACACAG	TACGCCCGA	TGTTCCCCGT	CTCCATGTC
25	121201	AGGATGGGCA	GGCAGTCCCC	CGTGATAGTC	TTGTTCACGT	AAGGCGACAG	GGCGACCA
	121261	CTAGAGACCC	CCGAGATGGG	CAGGTAGCGC	GTGAGGCCGC	CCGGGGGGAC	GGCCCCGGAA
	121321	GTCTCCGCGT	GGCGCGTCTT	CCGGGCACAC	TTCCCTGGCC	CCCGCGGGCC	AGAACGAGCG
	121381	CGGGGGCCGA	GGGAGGTTTC	CTCTTGTCTC	CCTCCCAAGG	CACCGACGGC	CCCGCCCCAG
	121441	GAGGCGGAAG	CGGAGGAGGA	CGCGCCCCG	GCAGCGGAAG	AGGCGGCC	CGCGGGGGTC
30	121501	GGGGCCGAGG	AGGAAGAGGC	AGAGGAGGAA	GAGGCGGAGG	CCGCGAGGA	CGTCAGGGGG
	121561	GTCCCCGGGC	CACCCCTGGCC	GGCCTCCCCC	GGCCCTGAGT	CGGAGGGGGG	GTGCGTCGCC
	121621	GCCCTTTGG	CCCCTGCCGG	CGCGAGGGGG	GGACGCGTGG	ACTGGGGGGA	GGGGTTTTC
	121681	TGGCCCGACC	CGCGCCTCTT	CCTCGGACGC	ACCGCCGCCT	CCTGCTCGAC	AGAGGCGCG
	121741	GAGGGGAGCG	GGGCGGCC	GGAGGGGGCG	GCAGCGCGGG	AGGGCCCGTG	CCCACCTTC
35	121801	ACGCCCCGGC	CCCCCGAGCC	GGCGGCCACC	GTGCGACGCG	CCCGGCACAG	ACTCTGTTCT
	121861	TGGTTCGCGG	CCTGAGCCAG	GGACGAGTGC	GACTGGGCA	CACGGCGCGC	GTCCGCGGG
	121921	CGGGCGGCCG	GCTCCGCC	GGGGCCCGGG	GCAGCGGGG	CGGGCCCCGG	AGGCGGCC
	121981	CGCACCGACG	GGGCCACGGC	CGCGCGGGGG	CGCGCGGGTC	CCGACGCGGC	CGCGGACCG
	122041	GGGGGCCCGG	GGCGGGGGGC	GGAGCCTGGC	ATGGGCGCCG	CGGGGGGCCT	GTGGGGAGAG
40	122101	GCCGGGGGGG	AGTCGCTGAT	CACTATGGGG	TCTCTGTTGT	TTGCAAGGGG	GGCGGGTCTG
	122161	TTGACAAGGG	GGCCCCTCG	GCCCTCGGC	CGCCCCGCCT	CCGCTTCAC	AACCCCA
	122221	CCAACCCCCA	CCCCCCCCGGA	GGGGCCAGAC	GCCCCCGCG	GGCCCGCGGC	TCGCGACTGG
	122281	CGGGAGCCGC	CGCCGCCGCT	GCTGTTGGT	GTGGTGTG	TGTTACTGCT	GCGGTGTC
	122341	CCGATGGGCG	CCGAGGGGGG	CGCTGTCCGA	GCCGCGGCCG	GCTGGGGGGC	TGCGTGA
45	122401	GCCCCGCCG	TCACGGGGGG	CGCGCGGGCG	CCTCTCGGTG	GGGGGGCGCG	GGCGTCCGG
	122461	CGGGGGCGG	GCGGTACGTA	GTCTGTCGA	AGAGACAACG	GGGGCGCGA	TCAGGTTACG
	122521	CCCCCTCCCC	GGCCCGCCCT	TTCCTCGCCC	GCCCCCTAT	TCCCTCCCTCC	CCCCCCCC
	122581	TCCTCCCTC	CCCCCAGGGT	CCTTGGCGCC	CCCCGCTCA	CCGTCGTCCA	GGTCGTGTC
	122641	ATCCTCGTCC	GTGGTGGGCT	CCGGGTGGGT	GGGCGACAGG	CCCTCACC	TGTCCCCCCC
50	122701	CAGGGTCAGG	TACCGCGGGG	CGAACCGCTG	ATTGCCCCTC	CAGATAAAGT	CCACGGCCGT
	122761	GCCC GCCCTG	ACGGCCTCCT	CGGCCTCCAT	CGGGGCTCTGG	GGGTCGTTCA	CGATCGGGAT
	122821	GGTGCTGAAC	GACCGCTGG	GCGTCACGCC	CACTATCAGG	TACACCAGCT	TGGCGTTGCA
	122881	CAGCGGGCAG	GTGTTGCGCA	ATTGCATCCA	GGTTTTCATG	CACGGGATGC	AGAACGGGTG
	122941	CATGCACGGG	AAGGTGTGCG	AGCGCAGGTG	GGGCGCGATC	TCATCCCGTGC	ACACGGCGCA
55	123001	CACGTCGCC	TCGTCGCTC	CCCCGTCTC	TCGAGGGGGG	GCGCCCCCGC	AACTGCC
	123061	GTCTCCTCG	GGGGGGGGG	TCCCCCCC	GACCGCCCCC	CCATCCACGC	CCTCGGGCCC
	123121	CAGCAGCCCC	GTCTCGAAC	GTTCCGTGTC	CGTGTGTC	GCCTCGGAGG	CGGAGTCGTC
	123181	GTCATGGTGG	TCGGCGTCCC	CCCCCCCC	CACTTCGGTC	TCCGCTCAG	AGTCGCTGCT
	123241	GTCCGGCAGG	TCTCGGTGCG	AGGGAAACAC	CCAGACATCC	GGGGCGGGCT	AAGGGAA
60	123301	AAGGGGGCG	GGTAAGAATG	GGGGGGGATT	TCCCGCGTCA	ATCAGCACCC	ACGAGTTCCC
	123361	CCTCTCCCCC	CCCCGCCCTCA	CAAAGTCCTG	CCCCCTGCT	GGCCTCGGAA	GAGGGGGGAG
	123421	AAAGGGGTCT	GCAACCAAAG	GTGGTCTGGG	TCCGTCTTT	GGATCCCGAC	CCCTCTCTT
	123481	CCCTCTTCTC	CCGCCCTCCA	GACGCACCGG	AGTCGGGGGT	CCACGGCGT	CCCCCAAATA
	123541	TGGCGGGCGG	CTCCTCCCCA	CCCCCCTAGA	TGCGTGTGAG	TAAGGGGGC	CTGCGTATG

	123601	GTCAGTGGGG	ACCACGCC	CAACACGGCG	ACCCCGGTCC	TTGTGTGTT	GTTGTGGGG
	123661	CGTGTCTCTG	TGTATGAGTC	AGGGGGTCCC	ACGGCGACCC	CGGGCCCTGC	GTCTGAGTCA
5	123721	AAGGGGCCAT	GTGTATGTGT	TGGGGGTCTG	TATATATAAA	GTCAGGGGGT	CACATGGCGA
	123781	CCCCAACAG	GGCGACCCCG	GTCCCTGTAT	ATATAGGGTC	AGGGGGTTCC	GCACCCCCCTA
	123841	ACATGGCGCC	CCCGGTCCCT	GTATATATAG	TGTACGGGG	TTCCACGCC	CCTAACATGG
	123901	CGCCCCAACAA	TGGCGCCCGG	CTCCCGTGT	TGAGTGGGGG	TCCCCAACAA	TGGCGGCCGG
10	123961	TTCCAGTGTA	AGGGTCGGGG	GTCCCCCAAC	ATGGCCCCCC	CCAATATGGC	GCCCCCCAAT
	124021	ATGGCGCCCC	AGACATGGCG	CCCAGCCCCCT	CACCTCGCGC	TGGGGGCGGC	CCTCAGGCCG
	124081	GCGGGTACTC	GCTCCGGGGC	GGGGCTCCAT	GGGGGTCGTA	TGCGGCTGGA	GGGTCGCCGA
15	124141	CGGAGGGTCC	CTGGGGGTCG	CAACGTAGGC	GGGGCTTCTG	TGGTGATGCG	GAGAGGGGGC
	124201	GGCCCGAGTC	TGCCTGGCTG	CTGCGTCTCG	CTCCGAGTGC	CGAGGTGCAA	ATGCGACCAG
	124261	ACTGTCGGGC	CAGGGCTAAC	TTATACCCCA	CGCCTTCCC	CTCCCCAAAG	GGCGGCCAGT
	124321	GACGATTCCC	CCAATGGCCG	CGCGTCCCAG	GGGAGGCAGG	CCCACCGCGG	GGCGGCCCGG
	124381	TCCCCGGGGA	CCAACCCGGC	GCCCCCAAAG	AATATCATTA	GCATGCACGG	CCCCGCCCGG
20	124441	GATTGGGGG	CCCAACCCGG	TGTCCCCAA	AGAACCCCCAT	TAGCATGCC	CTCCCGCCGA
	124501	CGCAACAGGG	GCTTGGCCTG	CGTCGGTGCC	CCGGGGCTTC	CCGCCTTCCC	GAAGAAACTC
	124561	ATTACCATAC	CCGGAACCCC	AGGGGACCAA	TGCGGGTTCA	TGAGCGACC	CGCGGGCCAA
	124621	TGCGCGAGGG	GCCGTGTGTT	CCGCCAAAAAA	AGCAATTAGC	ATAACCCGGA	ACCCCAGGGG
	124681	AGTGGTTACG	CGCGGCGCGG	GAGGCGGGGA	ATACGGGGT	TGCCCATTAA	GGGCCGCGGG
25	124741	AATTGCCGGA	AGCGGGAAAGG	GCAGGCCGGGG	CCGCCATTAA	ATGAGTTCT	AATTACCATA
	124801	CGGGGAAGCG	GAACAAGGCC	TCTTGAAGT	TTTTAATTAC	CATACCGGGA	AGTGGGCGGG
	124861	CGGGCCCAT	GGGCGGTAAC	TCCCGCCCAA	TGGGCGGGC	CCCGAAGACT	CGGCGGACGC
	124921	TGGTTGGCCG	GGCCCCGCCG	CGCTGGCGGC	CGCCGATTGG	CCAGTCCCCG	CCCCGAGGCG
	124981	GCCCCCCCTG	TGAGGGCGGG	CTGGCTCCAA	GCGTATATAT	GCGCGCTCC	TGCCATCGTC
30	125041	TCTCCGGAGA	GCGGCTTGGT	GCGGAGCTCC	CGGGAGCTCC	GCGGAAGACC	CAGGCCGCCT
	125101	CGGGGTGTAAC	GTTAGACCGA	GTTCGCGGGG	CCGGCTCCGC	GGGCCAGGGC	CGGGGCACGG
	125161	GCCTCGGGCC	CCAGGCACGG	CCCGATGACC	GCCTCGGCCT	CGGCCACCCG	GCGCCGGAAC
	125221	CGAGCCCCGT	CGGGCCGCTC	CGGGGCCAAC	GAGCCGCGGC	GCGCCAGGGC	GGCGGCCGAG
	125281	GCCCCAGACCA	CCAGGTGGCG	CACCCGGACG	TGGGGCGAGA	AGCGCACCCG	CGCGGGGGTC
35	125341	CGGGGGGTCG	CGGGGGTCG	GGGGGTCGCG	GGGGTCGCG	GGGGCTCCCG	CGCCCCCTCC
	125401	CCGCCCCGCG	GTCGCAGGCG	CAGGCGCGCC	AGGTGCTCCG	CGGTGACGCG	CAGGCGGAGG
	125461	GCGAGGCGCG	GCGGAAGGCG	GAAGGGGCGC	GAGGGGGGTT	GGGAGGGGTC	AGCCCCGCCC
	125521	CCCGGGCCA	CGCCGGGGCG	TGGGGGCCGG	GGCCGGGGGG	CGGCGGCGGT	GGGCCGGGCC
	125581	TCTGGCGCCG	GCTCGGGCGG	GGGGCTGTCC	GGCCAGTCGT	CGTCATCGTC	GTCGTCGGAC
40	125641	GCGGACTCGG	GAACGTGGAG	CCACTGGCGC	AGCAGCAGCG	AACAAGAAGG	CGGGGGCCCA
	125701	CGGGCGGGGG	CGGGCGGGCG	GGCGGCCGCG	GGCGCGCTCC	TGACCGCGGG	TTCCGAGTTG
	125761	GGCGTGGAGG	TTACCTGGGA	CTGTGCGGTT	GGGACGGCGC	CGGTGGGCCC	GGGCGGGCCGG
	125821	GGGCGGGCGGG	GGCCGCGATG	GGGGCGGGCG	CGGGCCATGG	AGACAGAGAG	CGTGCAGGGG
	125881	TGGTAGAGTT	TGACAGGCAA	GCATGTGCGT	GCAGAGGCGA	GTAGTGCTTG	CCTGTCATAAC
45	125941	TCGCTAGTCT	CGGCCGCGGG	GGGCCCGGGG	TGCCCCGCC	CACCGCTTTA	AAGGGCCGCG
	126001	CGCGACCCCC	GGGGGGGTTG	TTTTGGGGG	GGCCCGTTT	CGGCGTCTGG	CCGCTCCTCC
	126061	CCCCGCTCCT	CCCCCCCCTC	CTCCCCCCC	TCCTCCCCCC	GCTCCTCCCC	CCGCTCCTCC
	126121	CCCCGCTCCT	CCCCCCCCTC	CTCCCCCCC	TCCTCCCCCC	GCTCCTCCCC	CCGCTCCTCC
	126181	CCCCGCTCCT	CCCCCCCCTC	CTCCCCCCC	TCCTCCCCCC	GCTCCTCCCC	CCGCTCCTCC
50	126241	CCCCGCTCCT	CCCCCCCCTC	CTCCCCCCC	TCCCGCGGCC	CCGCCCCCCTA	CGCCCGGCCG
	126301	GCGCGCGCAC	GCCGCCCCGA	CCGCGCGCCCG	CCTTTTTGTC	GCGCGCGCGC	GCCCGCGGGGG
	126361	GGCCCCGGCT	GCCACAGGTG	AAACCAACAG	AGCACGGCGC	ACTCCGCAAG	TCACACGTCA
	126421	CGTCATCCAC	CACACCTGCC	CAACAAACACA	ACTCACAGCG	ACAACCTCAC	GCGCAACAAAC
	126481	TCCTGTTCCCT	CATCCACACG	TCACCGCGCA	CCTCCCGCTC	CTCCAGACGT	ACCCCGCGC
55	126541	AACACACCAC	TCCTGCTACA	CACCAACGCC	CCCTCCCCAG	CCCCAGCCCT	CCCCAGCCCC
	126601	AGCCCCCTCCC	GGCCCCAGCC	CTCCCCGGCC	CCAGCCCTCC	CCGGCCCCAG	CCCTCCCCGG
	126661	CCCCAGCCCT	CCCCGGCCCC	AGCCCCTCCC	GGCCCCAGCC	CTCCCCGGCG	CGTCCCCGCC
	126721	TCCCTCGGGG	GGGTTCGGGC	ATCTCTACCT	CAGTGGCGCC	AATCTCAGGT	CAGAGATCCA
	126781	AACCCCTCCGG	GGGCGCCCCG	GCACCAACAC	CGCCCCCTCGC	CCCCCTCCCC	CCCTCGCCCC
	126841	CTCCCCCCCC	TCGCCCCCTC	CCGCCCCCTCG	CCCCCTCCCC	CCCCCTCGCC	CCTCCCGGCC
	126901	CTCGCCCCCT	CCCGCCCCCTC	GGCCCCCTCCC	GCCCCCTCGCC	CCCTCCCC	CCTCGCCCC
	126961	TCCCGCCCCCT	CGCCCCCTCC	CGCCCCCTCGC	CCCCCTCCCC	CCCTCGCCCC	CTCCCGCCCC
	127021	TCGCCCCCTC	CCGCCCCCTCG	CCCCCTCCCC	CCCCCTCGCC	CCTCCCGCCC	CTCGCCCCCT
	127081	CCCGCCCCCTC	GGCCCCCTCCC	GCACCAACAC	CCCTCCCC	CCTCGCCCC	TCCCGCCCCCT

	127141	CGAATAAACAA	ACGCTACTGC	AAAACCTTAAT	CAGGTTGTTG	CCGTTTATTG	CGTCTTCGGG
	127201	TCTCACAAAGC	GCCCCGCC	GTCCCAGGCC	GTTACAGCAC	CCCGTCCCCC	TCGAACGCGC
5	127261	CGCCGTCGTC	TTCGTCCAG	GCGCCTTCCC	AGTCCACAAC	TTCCCGCCG	GGGGCGTGG
	127321	CCAAGCCCGC	CTCCGCCCC	AGCACCTCCA	CGGCCCCCGC	CGCCGCCAGC	ACGGTGCCGC
	127381	TGCGGGCCGT	GGCGAGGCC	CAGCGAATCC	CGGGCGGCC	GGCGGCCAGG	GCCCCCGGGC
	127441	CGTCGTCGTC	GCCGCGCAGC	ACCAGCGGGG	GGCGTCGTC	GTCGGGCTCC	AGCAGGGCGC
	127501	GGGCGCAAAA	GTCCCTCCGC	GGCCCGCGCC	ACCGGGCCGG	GCCGGCGCGC	ACCGCCCTCGC
	127561	GCCCCAGCGC	CACGTACACG	GGCCGAGCG	GCGCGCCAG	GCCCAGCGC	GCGCAGGCGG
10	127621	CGTGCAGGTG	GGCCTCCCTC	TCGCAAGT	CCGGCGCGC	GGCGCCATG	GCGTCGGTGG
	127681	TCCCCGAGGC	CGCCGCCCG	CCGTCAGCG	CCGGCAGCAC	GGCCCGGCCG	TACTCGCGC
	127741	GGGACATGGG	CACCGGGCGT	TCCGGGCCGA	AGCGCGTGC	CACGCGTAG	CGCACGTTGC
	127801	CGCCGCGGC	CAGGCGCAGC	GGCGCGCGT	CGGGGTACAG	GCGCGCGTGC	GCGGCCTCCA
	127861	CGCGCGCGA	GACCCCCGGG	CCGAACACGC	GGCCCGAGGC	CAGCACCGTG	CGGCGCAGGT
15	127921	CCCGCGCCGC	CGGCCAGCGC	ACGGCGCACT	GCACGGCGG	CAGCAGCTCG	CACGCCAGGT
	127981	AGGCGTGCTG	CCGCGACACC	GCGGGCCGT	CGGCGGGCCA	GTCGAGGCCG	CGCACGGTGT
	128041	TGACCAACGAT	GAGCCGCCGG	TCGCGGGCGC	TGGCGAGCAG	CCCCAGAAC	TCCACGGCCC
	128101	CGGCGAAGGC	CAGGTCCCGC	GTGGACAGCA	GCAGCACGCC	CTGTGCGCCC	AGCGCCGACA
	128161	CGTGGGGGGC	GCCGGTCCAA	TTGCCCCGCC	AGGCGGCCGT	GTCCGGCCCG	CACAGCCGGT
20	128221	TGGCCAGGGC	CGCCAGCAGG	CAGGACAGCC	CGCCGCGCTC	GGCGGACCAC	TCCGGCGGCC
	128281	CCCCCGAGGC	CCCGCCGCCG	GCCAGGTCTC	CGCCCCGGCAG	GGCGAGTAC	AGCACCCACCA
	128341	CGCGCACGTC	CTCGGGGTG	GGGATCTGGC	GCATCCAGGC	CGCCATGCGG	CGCAGGGGGC
	128401	CCGAGGCGCG	CAGGGGGCCA	AAGAGGCGGC	CCCCGGCGG	CCCGTGGGGG	TGGGGGTTAT
	128461	CGTCGTCGTC	GCGGCCGCCG	CACCGGGCCT	GGGCGGGGG	GGCGGGCCCG	GCGCACCGCG
25	128521	CGGCGATCGA	GGCCAGGGCC	CGCGGGTCAA	ACATGAGGGC	CGGTGCGCCAG	GGGACGGGGA
	128581	ACAGCGGGTG	GTCCGTGAGC	TCGGCACCGG	CGCGCGGGGA	CGAGTAGGCC	TCCAGGGCGG
	128641	CGGCCGCGGG	CGCCGCCGTG	TGGCTGGGCC	CCGGGGGCTG	CCGCGCCAG	CCGCCAGGG
	128701	GGTGGGGGCC	CTCGGCGGGC	CGGCGCGACA	CGGCCACGGG	CGCGGGCGG	GCCTGCGCCG
	128761	CGGCGGCCCG	GGGCGCCGCG	GGCTGGGGCG	GGGCGGGCTC	GGGCCCCGGG	GGCGTGGAGG
30	128821	GGGGCGCGGG	CGCGGGGAGG	GGGGCGCGGG	CGTCCGAGCC	GGGGCGTCC	GCGCGCTCT
	128881	TCTTCGTT	CGGGGGTCG	GGGCGGCCG	CTCCGGGCGG	CCGGGCGGG	CCGGGACTCT
	128941	TGCGCTTGCG	CCCCTCCCGC	GGCGCGGCCG	AGGCGCGGC	GGCCGCCAGC	GCGTCGGCGG
	129001	CGTCCGGTGC	GCTGGCCGCC	GCGGCCAGCA	GGGGCGCGAG	GCTCTGGTTG	TCAAACAGCA
	129061	GGTCCCGCGC	GGCGCGGCC	GCGGAGCTCG	GCAGGCGCGG	GTCCCGCGGC	AGCGCGGGGC
35	129121	CCAGGGCCCC	GGCGACCAGG	CTCACGGCGC	GCACGGCGG	CACGGCGGCC	TCGCTGCCG
	129181	CGGCCACGCG	CAGGTCCCCG	CGCAGGCGCA	TGAGCACCAG	CGCGTCGCGC	ACGAACCGCA
	129241	GCTCGCGCAG	CCACGCGCG	AGGCGGGGCG	CGTCGGCGTG	CGGCGCGGCC	GGGAAAGCGG
	129301	GGCCCGCGGG	TCCCTCCGGC	CGCGGGGGGC	TGGCGGGCCG	GGCCCCGGCC	AGCCCCGGGA
	129361	CGGCCGCCAG	GTCGCCGTG	AAGCCCTCGG	CCAGCGCCTC	CAGGATCCCG	CGGCAGGCCG
40	129421	CCAGGCACTC	GACGGCACG	CGGCCGGCCT	GGGCGCGGCC	CCC GGCGTGC	TCGTCGGCGT
	129481	CGGCGTGGCG	GGCGCGTGC	GGGTGCGC	CCCCCGCGGG	GGAGGCGGGC	GCGCGGAC
	129541	GCCGCCCCAG	GGCGCGAGG	ATCCCCCGG	CGCCGTACCC	GGCGGGCAC	GCGCGCTCG
	129601	CCGGTGC CGC	GGCGCGACG	GCGGCGACCC	CCTCGTCATC	TGCGCCGGCG	CGGGGGCTCC
	129661	CCGCGGCCCG	CGTCAGCGCC	GGCGTCTCGC	GCGCCAACAG	GGGCGCGTAG	GCGCGGCCGA
45	129721	GGCTGGTCAG	CAGGAAGCCC	TTCTGCGC	GGTCGTATCG	GCGGCTCATG	GCCACGGCG
	129781	CCGCCCGCGT	CGCCAGGCC	CAGCGAAGC	GGCGGCCGC	CATGGCGTAG	CCCAGGTGGG
	129841	GCACGGCCCG	CGCCACGCTG	CGGGTGATGA	AGGAGCTGCT	GTTGCGCGCG	GCGCCCGAGA
	129901	TCCCGAAGCA	GGCCTGGTCC	AGCGCCACGT	CCCCGGGGAC	CACGCGCGGG	TTCTGGAGCC
	129961	ACCCCATGGC	CTCCGCGTC	GGGGTGTACA	GCAGCGCGT	GATCAGGGCG	TACTGCTGCG
50	130021	CGGCGTCGCC	CAGCTCGGG	GCCCACACGG	CGGCCGGGGC	GCCCAGGGCC	TCGAACCGGC
	130081	GTCGCGCTC	CTCCGCTCG	GGCGCCCCC	AGAGGCCGG	GGGGCTGTG	CCCAGGCCG
	130141	CGTACAGCAC	CCGCCCCCGG	GGCGGGGGCC	CGGC CGCGGG	CCACGGCTCC	CCGCTGACGT
	130201	ACCCGTGCCG	ATAGCGCG	TAGAAGGCCG	CGGAGGTG	TGCGCGTCC	AGCTCGACCC
	130261	GCCGGGGCTG	CCC GGCGCG	AAGCGGCCG	TGGCGTGC	GGCGGCCACC	GCCGCGCGGG
55	130321	CCCGCGGGCG	CTCGATGCG	CCCGCGGAGG	CGCGGGGGGT	CCTCGCCGCC	GCCCCGGGGCT
	130381	TGGGCGCGGC	CTCGGAGAGG	GGGGGTGGCC	CGGGCGGGGG	CGGCGTCCGC	CGGGGGGCTG
	130441	CCGGCGCCGC	GCTCGACGGA	CCCCGCCGA	CGGCCGCCGC	CTCGCGTGC	TGGTCGGCCG
	130501	CGTCGTTGCG	GTCGTCGTC	TCGTCCTCGT	CGGACGACGA	GGACGAAGAG	GATGCGGACG
	130561	ACGAGGACGA	GGACCCGGAG	TCCGACGAGG	TCGATGACGC	CGATGGCCGC	CACCGGCCGT
	130621	GACGACGTCT	CCGCGGCCG	TGGGCCGGCG	GGCGCGGCCGA	CAGGCGGTCC	GTGGGGTCCG

	130681	GATACGCGCC	GCGTAGCGGG	GCCTCCC GTT	CGCGGCCCG	GGCCGGGGCC	CGGTCGCCGG
	130741	CGGCGTCGGC	TGCGTCGTC	TACTCGTCCC	CGTCATCGTC	GTCGGCTCGA	AAGGCGGGGG
	130801	TCCGGGGCGG	CGAGGCCGCG	GGGTCGGGCG	TCGGGATCGT	CCGGACGGCC	TCCTCTACCA
	130861	TGGAGGCCAG	CAGAGCCAGC	TGTCGCGGCG	AGACGGCGTC	CCC GGCGTCC	TCGCCGGCGT
5	130921	CGGTGCCCGC	CGCGGGGCC	CTCCC GTCCC	GCCGGCGTC	GTCGAGGTCG	TGGGGTGTT
	130981	CGGGGTCGTG	GTCGGGGTCG	TCCCCGCCCT	CCTCCGTCTC	CCGCCCCCAC	CCGAGGGGCC
	131041	CCCGCTCGTC	GCGGTCTGGG	CTCGGGGTGG	GCGGCGGCC	GTCGGTGGGG	CCC GGGGAGC
	131101	CGGGGCGCTG	CTTGTCTCC	GACGCCATCG	CCGATGCGGG	GCGATCCTCC	GGGGATAACGG
10	131161	CTGCGACGGC	GGACGTAGCA	CGGTAGGTCA	CCTACGGACT	CTCGATGGGG	GGAGGGGGCG
	131221	AGACCCACGG	ACCCCGACGA	CCCCCGCCGT	CGACGCGAA	CTAGCGCGA	CCGGTCGATG
	131281	CTTGGGTGGG	AAAAAGGACA	GGGACGGCCG	ATCCCCCTCC	CCGCGTTCGT	CCGCGTATCG
	131341	GCGTCCCGGC	GGGGCGAGCG	TCTGACGGTC	TGTCTCTGGC	GTCGGCGGT	CGGGTCGTGG
	131401	ATCCGTGTCG	GCAGCCGCGC	TCCGTGTGGA	CGATCGGGC	GTCCTCGGGC	TCATATAGTC
15	131461	CCAGGGGCCG	GGGGGAAGGA	GGAGCAGCGG	AGGCGCCGG	CCCCCGCC	CCCCGGCGGG
	131521	CCCACCCCGA	ACGGAATTCC	ATTATGCACG	ACCCCGCCCC	GACGCCGGA	CGCCGGGGGC
	131581	CCGTGGCCGC	GGCCCGTTGG	TGAAACCCCC	GGCCCCGCC	ATCCGCGCCA	TCTGCCATGG
	131641	GCGGGGCGCG	AGGGCGGGTG	GGTCCCGCGC	CCGCCCCGCA	TGGCATCTCA	TTACCGCCCG
	131701	ATCCGGCGGT	TTCCGCTCC	GTTCGCGATG	CTAACGAGGA	ACGGGCAGGG	GGC GGGGCC
	131761	GGGCCCCGAC	TTCCCGGTTG	GGCGGTAATG	AGATACGAGC	CCC GCGGCC	CGTTGGCGT
20	131821	CCCCGGGCC	CCCGGTCCCG	CCCGCCGGAC	GCCGGGACCA	ACGGGACGGC	GGGGGGCCCA
	131881	AGGGCCGCC	GCCTTGC CGC	CCCCCCATTG	GCCGGCGGGC	GGGACCGCCC	CAAGGGGGCG
	131941	GGGCGCCGG	GTAAAAGAAG	TGAGAACGCG	AAGC GTTCG	ACTTCGTCCC	AATATATATA
	132001	TATTATTAGG	GCGAAGTGC	AGCACTGGCG	CCGTGCCCGA	CTCCGCGCC	GCCCCGGGGG
	132061	CGGGCCCCGGG	CGGGGGGGGG	CGGGTCTCTC	CGGCCGACAT	AAAGGCCCCG	CGCGACCGAC
25	132121	GCCCCCAGAC	GGCGCCGGCC	ACGAACGACG	GGAGCGGCTG	CGGAGCACGC	GGACCGGGAG
	132181	CGGGAGTCG	AGAGGGCGT	CGGAGCGGC	GGCGTCCGGC	TCGCGACGCC	CCGGCTCGGG
	132241	ATC GGGATCG	CATCGGAAAG	GGACACCGGG	ACGCGGGGGG	GAAAGACCCG	CCCACCCAC
	132301	CCACGAAACA	CAGGGGACGC	ACCCCGGGGG	CCTCCGACGA	CAGAAACCCA	CGGTCCCGCC
	132361	TTTTTGAC	GGGTAAGCAC	CTTGGGTGGG	CGGAGGAGGG	GGGGACGCGG	GGGCGGAGGA
30	132421	GGGGGGACGC	GGGGCGGGAG	GAGGGGGGAC	GCGGGGGCGG	AGGAGGGGGG	ACGCGGGGGC
	132481	GGAGGAGGGG	GGACGCGGGG	GC GGAGGAGG	GGGCTCACCC	CGTTCGTCG	CTTCCCGCAG
	132541	GAGGAACGTC	CTCGTCGAGG	CGACCGGGCG	CGACCGTTGC	GTGGACCGCT	TCCTGCTCGT
	132601	CGGGCGGGGG	GAAGCCACTG	TGGTCCTCCG	GGACGTTTTC	TGGATGGCCG	ACATTTCCCC
	132661	AGGC GCTTTT	GGCCTTG TG	TAAAAGCGCG	GCGTCCCGCT	CTCCGATCCC	CGCCCCTGGG
35	132721	CACGCGCAAG	CGCAAGCGCC	CTTCCC GCC	CCTCTCATCG	GAGTCTGAGG	TAGAATCCGA
	132781	TACAGCCTTG	GAGTCTGAGG	TGAAATCCGA	GACAGCATCG	GATTGACCCG	AGTCTGGGG
	132841	CCAGGATGAA	GCCCCCCGCA	TGGGTGGCCG	TAGGGCCCCC	CGGAGGCTTG	GGGGCGGTT
	132901	TTTTCTGGAC	ATGTCGGCG	AATCCACCAC	GGGGACGGAA	ACGGATGCGT	CGGTGTCGGA
	132961	CGACCCCGAC	GACACGTCCG	ACTGGTCTTA	TGACGACATT	CCCCCACGAC	CCAAGGGGC
40	133021	CCGGGTAAAC	CTGCGCTCA	CGAGCTCTCC	CGATCGGC	GATGGGGTTA	TTTTTCTAA
	133081	GATGGGGCGG	GTCCGGTCTA	CCCCGGAAAC	GCAGCCCCGG	GCCCCCACCC	CGTCGGCCCC
	133141	AAGCCCAAAT	GCAATGCTAC	GGCGCTCGGT	GCGCCAGGCC	CAGAGGCCGA	GCAGCGCACG
	133201	ATGGACCCCC	GACCTGGGCT	ACATGCGCA	GTGTATCAAT	CAGCTGTTTC	GGGTCTCGCG
	133261	GGTCCCGGG	GACCCCGACG	GCAGTGCCAA	CGCCCTGCGC	CACCTGATAC	GCGACTGTTA
45	133321	CCTGATGGGA	TACTGCCAG	CCCGTCTGGC	CCCGCGCACG	TGGTGCCGTT	TGCTGCAGGT
	133381	GTCCGGCGGA	ACCTGGGGCA	TGCACTGCG	CAACACCATA	CGGGAGGTTG	AGGCTCGATT
	133441	CGACGCCACC	GGCGAACCCG	TGTGCAAGCT	TCCTTGTGG	GAGACCAGAC	GGTACGGCCC
	133501	GGAGTGTGAT	CTTAGTAATC	TCGAGATTCA	TCTCAGCGCG	ACAAGCGATG	ATGAAATCTC
	133561	CGATGCCACC	GATCTGGAGG	CCGCCGGTTC	GGACCACACG	CTCGCGTCCC	AGTCCGACAC
50	133621	GGAGGATGCC	CCCTCCCCCG	TTACGCTGGA	AACCCAGAA	CCCCCGGGGT	CCCTCGCTGT
	133681	GCGTCTGGAG	GATGAGTTTG	GGGAGTTTG	CTGGACCCCC	CAGGAGGGCT	CCCAGCCCTG
	133741	GCTGTCTGCG	GTCGTGGCCG	ATACCAGCTC	CGTGGAACGC	CCGGGCCCCAT	CCGATTCTGG
	133801	GGCGGGTCGC	GCCGCAGAAG	ACCGCAAGTG	TCTGGACGGC	TGCGGAAAAA	TGCGCTTCTC
	133861	CACCGCCTGC	CCCTATCCGT	GCAGCGACAC	GTTTCTCCGG	CCGTGAGTCC	GGTCGCCCG
55	133921	ACCCCTTG	ATG TCCCCAA	AATAAAAGAC	CAAATCAA	GCGTTTGTCC	CAGCGTCTTA
	133981	ATGGCGGGAA	GGCGGGAGAG	AAACAGACCA	CGCGACATG	GGGGGTGTTT	GGGGGTTTAT
	134041	TGGCACCGGG	GGCTAAAGGG	TGTTAACCGG	ATAGCAGATG	TGAGGAAGTC	GGGGCCGTTTC
	134101	GCCCGCGAACG	GCGATCAGAG	GGTCAGTTTC	TTGCGGACCA	CGGCCCGGCC	ATGTGGGTTG
	134161	CTCGTCTGGG	ACCTCGGGCA	TGCCCATACA	CGCACAAACAC	GGACGCCGCA	CCGGATGGGA

	134221	CGTCGTAAGG	GGGCCTGGGG	TAGCTGGGTG	GGGTTTGTGC	AGAGCAATCA	GGGACCGCAG
	134281	CCAGCGCATA	CAATCGCGCT	CCCGTCCGTT	TGTCCCGGGC	AGTACCACGC	CGTACTGGTA
	134341	TTCGTACCGG	CTGAGCAGGG	TCTCCAGGGG	GTGGTTGGGG	GCCGCGGGGA	ACGGGGTCCA
	134401	CGCCACGGTC	CACTCGGGCA	AAAACCGAGT	CGGCACGGCC	CACGGTTCTC	CCACCCACGC
5	134461	GTCTGGGTC	TTGATGGCGA	AAATCTTAC	CCCGAGCCGG	ATTTTTTGGG	CGTATTGAG
	134521	AAACGGCACA	CACAGATCCG	CCCGCGCTAC	CACCCACAAG	TGGTAGAGGC	GAGGGGGGCT
	134581	GGGTTGGTCT	CGGTGCAGCA	GTCGGAAGCA	CGCCACGGCG	TCCACGACCT	CGGTGCTCTC
	134641	CAAGGGGCTG	TCCTCCGCAA	ACAGGCCCGT	GGTGGTGT	GGGGGGCAGC	GACAGGACCT
10	134701	AGTGCACG	ATCGGGCGGG	TGGGTTGGG	TAAGTCCATC	AGCGGCTCGG	CCAACCGTCG
	134761	AAGGTTGGCC	GGACGAACGA	CGACCGGGGT	ACCCAGGGGT	TCTGATGCCA	AAATGCGGCA
	134821	CTGCCCTAACG	AGGAAGCTCC	ACAGGGCCGG	GCTTGCGTCG	ACGGAAGTCC	GGGGCAGGGC
	134881	GTTGTTCTGG	TCAAGGAGGG	TCATTACGTT	GACGACAACA	ACGCCCATGT	TGGTATATTA
	134941	CAGGCCCGTG	TCCGATTGCG	GGCACTTGCA	GATTTGTAAG	GCCACGCACG	GCGGGGAGAC
15	135001	AGGCCGACGC	GGGGGCTGCT	CTAAAAAATT	AAGGGCCCTA	CGGTCCACAG	ACCCGCCTTC
	135061	CGGGGGGGGC	CCTTGGAGCG	ACCGGCAGCG	GAGGCGTCCG	GGGGGAGGGG	GGGTGATTTA
	135121	CGGGGGGGTA	GGTCAGGGGG	TGGGTCGTCA	AACTGCCGCT	CCTTAAACC	CGGGGGCCCG
	135181	TCGTTCGGGG	TGCTCGTTGG	TTGGCACTCA	CGGTGCGCG	ATGGCCTGT	CGTAAGTTT
	135241	GTCGCGTTA	CGGGGGACAG	GGCAGGAGGA	AGGAGGAGGC	CGTCCCACCG	GAGACAAAGC
	135301	CGTCCCACGGT	GTTTCCTCAT	GGCCCCCTTT	ATACCCCAGC	CGAGGACGCG	TGCCCTGGACT
20	135361	CCCCGCCCCC	GGAGACCCCC	AAACCTTCCC	ACACCAACACC	ACCCAGCGAG	GCCGAGCGCC
	135421	TGTGTCATCT	GCAGGAGATC	CTTGCCCCAGA	TGTACGGAAA	CCAGGACTAC	CCCATAGAGG
	135481	ACGACCCCCAG	CGCGGATGCC	GC GGACGATG	TCGACGAGGA	CGCCCCGGAC	GACGTGGCCT
	135541	ATCCGGAGGA	ATACGAGAG	GAGCTTTTC	TGCCCCGGGA	CGCGACCGGT	CCCCCTATCG
	135601	GGGCCAACGA	CCACATCCCT	CCCCCGTGTG	GCGCATCTCC	CCCCGGTATA	CGACGACGCA
25	135661	GCCGGGATGA	GATTGGGCC	ACGGGATT	CCGCGGAAGA	GCTGGACGCC	ATGGACAGGG
	135721	AGGCGGCTCG	AGCCATCAGC	CGCGGCGGC	AGCCCCCCTC	GACCATGGCC	AAGCTGGTGA
	135781	CTGGCATGGG	CTTTACGATC	CACGGAGCGC	TCACCCCAGG	ATCGGAGGGG	TGTGTCCTTG
	135841	ACAGCAGCCA	TCCAGATTAC	CCCCAACGGG	TAATCGTGA	GGCAGGGGTGG	TACACGAGCA
	135901	CGAGGCCACGA	GGCGCAGCTG	CTGAGGCGAC	TGGACCA	GGCGATCCTG	CCCCCTCTGG
30	135961	ACCTGCATGT	CGTCTCCGGG	GTCACGTGTC	TGGTCTCTCC	CAAGTACCA	GCCGACCTGT
	136021	ATACCTATCT	GAGTAGGC	CTGAACCCAC	TGGGACGCC	CGAGATCGCA	GCGGTCTCCC
	136081	GGCAGCTCCT	AAGCGCCGTT	GA	ACGCA	CATTATCCAC	CGCGACATTA
	136141	AGACCGAAAA	TATTTTATT	AAACACCCCG	AGGACATTG	CCTGGGGGAC	TTTGGCGCCG
	136201	CGTGCCTCGT	GCAGGGTTCC	CGATCAAGCC	CCTTCCCCTA	CGGAATCGCC	GGAACCATCG
35	136261	ACACCAACGC	CCCCGAGGTC	CTGGCCGGGG	ATCCGTATAC	CACGACCGTC	GACATTGGA
	136321	GCGCCGGTCT	GGTGTATCTC	GAGACTGCCG	TCCACACGC	GTCCCTGTT	TCGGCCCCCCC
	136381	GCGGCCCAA	AAGGGGCCG	TGCGACAGTC	AGATCACCCG	CATCATCCGA	CAGGCCCAAGG
	136441	TCCACGTTGA	CGAGTTTCC	CCGCATCCAG	AATCGCGCCT	CACCTCGCGC	TACCGCTCCC
	136501	GCGCGGCCGG	GAACAATCGC	CCGCGTACA	CCCACCGGC	CTGGACCCGC	TACTACAAGA
40	136561	TGGACATAGA	CGTCGAATAT	CTGGTTGCA	AAGCCCTCAC	CTTCGACGGC	GCGCTTCGCC
	136621	CCAGCGCCGC	AGAGCTGCTT	TGTTTGCCG	TGTTTCAACA	GAATGACCG	CCCCCTGGGG
	136681	GCGGTGCTGT	TTGCGGGTTG	GCACAAAAAG	ACCCCGATCC	CGCTCTGTGG	TGTTTTTGGC
	136741	ATCATGTCGC	AGGGCGCCAT	GGCGTCCGTT	GTTCCCATTA	TCCCATTCT	TTTGGTTCTT
	136801	GTCGGTGTAT	CGGGGGTTCC	CACCAACGTC	TCCTCCACCA	CCCAACCCCA	ACTCCAGACC
45	136861	ACCGGTCGTC	CCTCGCATGA	AGCCCCAAC	ATGACCCAGA	CCGGCACCCAC	CGACTCTCCC
	136921	ACCGCCATCA	GCCTTACAC	GCCCACCCAC	ACACCCCCCA	TGCAAGTAT	TGGACTGGAG
	136981	GAGGAGGAAG	AGGAGGAGGG	GGCCGGGGAC	GGCGAACATC	TTGAGGGGGG	AGATGGGACC
	137041	CGTGACACCC	TACCCAGTC	CCCCGGCCCA	GCCTTCCCCT	TGGCTGAGGA	CGTCGAGAAG
	137101	GACAAACCCA	ACCGTCCCCT	AGTCCCAC	CCCGATCCCA	ACAACCTCCC	CGCGCGCCCC
50	137161	GAGACCGAGTC	GCCCCGAAGAC	ACCCCCCACC	ATTATCGGGC	CGCTGGCAAC	TCGCCCCACG
	137221	ACCCGACTCA	CCTCAAAGGG	ACGACCCCTG	GTTCCGACGC	CTCAACATAC	CCCGCTGTT
	137281	TCGTTCCCTCA	CTGCCTCCCC	CGCCCTGGAC	ACCCCTTTCG	TCGTCAGCAC	CGTCATCCAC
	137341	ACCTTATCGT	TTTTGTGTAT	TGGTGCATG	GCGACACACC	TGTGTGGCGG	TTGGTCCAGA
	137401	CGCGGGCGAC	GCACACACCC	TAGCGTGCCT	TACGTGTGCC	TGCCGTCCGA	ACCGGGGTAG
55	137461	GGTATGGGGC	GGGGGATGGG	GAGAGCCAC	ATGCGAAAG	CAAGAACAA	AAAGGCGGTG
	137521	GTATCTAGTT	GATATGCATC	TCTGGGTGTT	TTTGGGTGTT	GGCGGACGCG	GGGCGGTGAT
	137581	TGGACGGGGT	GCAGTTAAAT	ACATGCCG	GACCCATGAA	GCATGCGCGA	CTTCCGGGCC
	137641	TCAGAACCCA	CCCAGAACGG	CCAACGGACG	TCTGAGGCCAG	GCCTGGCTAT	CCGGAGAAC
	137701	AGCACACGAC	TTGGCGTTCT	GTGTGTCGCG	ATGTCTCTGC	GGCGAGTCTG	GCATCTGGGG

	137761	CTTTGGGAA	GCCTCGTGGG	GGCTGTTCTT	GCCGCCACCC	ATCGGGGACC	TGCGGCCAAC
	137821	ACAACGGACC	CCTTAACGCA	CGCCCCAGTG	TCCCCTCAC	CCAGCCCCCT	GGGGGGCTTT
	137881	GCCGTCCCCC	TCGTAGTCGG	TGGGCTGTGC	GCCGTAGTCC	TGGGGGCGGC	ATGTCTGCTT
	137941	GAGCTCCCTGC	GTCGTACGTG	CCGGGGGTGG	GGGC GTTAC	ATCCCTACAT	GGACCCAGTT
5	138001	GTCGTATAAT	TTCCCCCCCC	CCCCCCCCTTC	TCCCGTGGG	TGATGTCGGG	TCCAAACTCC
	138061	CGACACCACC	AGCTGGCATG	GTATAAATCA	CCGGTGC	CCCCAAACCA	TGTCCGGCAG
	138121	GGGGATGGGG	GGGCAATGCG	GAGGGCACCC	AACAACACCG	GGCTAAC	GAAATCCGTG
	138181	GCCCCGGCCC	CCAATAAAGA	TCGGGGTAGC	CCGGCCGTGT	GACACTATCG	TCCATACCGA
	138241	CCACACCGAC	GAATCCCCCA	AGGGGGAGGG	GCCATT	GAGGAGGAGG	GGTATAACAA
10	138301	AGTCTGTCTT	AAAAAGCAG	GGGTTAGGG	GTTGTCGGT	CATAAGCTTC	AGCCGAACG
	138361	ACCAACTACC	CCGATCATCA	GTTATCCTT	AGGTCTCTT	TGTGTGGTGC	GTTCGGTAT
	138421	GGGGGGGGCT	GCCGCCAGGT	TGGGGGCCGT	GATTTGTTT	GTCGTCA	TGGCCTCCA
	138481	TGGGGTCCGC	AGCAAATATG	CCTGGGTGG	TGCCTCTCTC	AAGATGGCG	ACCCCAATCG
	138541	CTTCGCGGC	AAAGACCTTC	CGGTCTGG	CCAGCTGACC	GACCCTCCGG	GGTCCGGCG
15	138601	CGTGTACAC	ATCCAGGGCG	GCCTACCGA	CCCGT	CCCCCAGCC	TCCCGATCAC
	138661	GGTTTACTAC	GCCGTGTTGG	AGCGCGCTG	CCGCAGCGT	CTCCTAAACG	CACCGTCGGA
	138721	GGCCCCCAG	ATTGTCCGCG	GGGCCTCCGA	AGACGTCCGG	AAACAACCT	ACAACCTGAC
	138781	CATCGCTTGG	TTTCGGATGG	GAGGCAACTG	TGCTATCCC	ATCACGGTCA	TGGAGTACAC
	138841	CGAATGCTCC	TACAACAAGT	CTCTGGGGC	CTGTCCC	CGAACGCG	CCCCGCTGGAA
20	138901	CTACTATGAC	AGCTTCAGCG	CCGTCA	GGATAACCTG	GGGTTCTGA	TGCA
	138961	CGCGTTGAG	ACCGCCGGCA	CGTACCTGCG	GCTCGTGAAG	ATAAACGACT	GGACGGAGAT
	139021	TACACAGTTT	ATCCTGGAGC	ACCGAGCAA	GGGCTCTGT	AAGTACGCCC	TCCCGCTGCG
	139081	CATCCCCCG	TCAGCCTGCC	TCTCCCCCA	GGCCTAC	CAGGGGGTGA	CGGTGGACAG
	139141	CATCGGGATG	CTGCCCCGCT	TCATCCCCGA	GAACCAGCG	ACCGTCGCG	TATAACAGCTT
25	139201	GAAGATCGCC	GGGTGGCACG	GGCCCAAGG	CCCATA	AGCAC	TGCCCCCGGA
	139261	GCTGTCCGAG	ACCCCCAACG	CCACGCA	AGAACTCGCC	CCGGAAGA	CCGAGGATT
	139321	GGCCCTCTTG	GAGGACCCCC	TGGGGACGGT	GGCGCCG	ATCCCAC	ACTGGCACAT
	139381	ACCGTCGATC	CAGGACGCCG	CGACG	CCAT	GCCAC	ACAACATGGG
	139441	CCTGATCGCC	GGCGCGGTGG	GGGGCAGTCT	CCTGGCAG	CTGGTCAT	GCGGAATTGT
30	139501	GTACTGGATG	CGCCGCCACA	CTCAAAAGC	CCCAAAGC	ATACG	CCCACATCCG
	139561	GGAAGACGAC	CAGCGTCCT	CGCAC	CTTGT	TAGATAC	CCCTTAATGG
	139621	GTGCGGGGGG	GTCAGGTCTG	CGGGGTTGG	ATGGGAC	AACTCC	AAAGCAGTC
	139681	TGGAAGGGGG	GAAAGGTGG	CAGTC	GTCGGT	GGGGAC	ACCTGTTCCG
	139741	CCTGTCGAC	CCACAGCTT	TTTGCGA	CGTCCC	GGGAT	TGCCGCCCGT
35	139801	TGCAGGGCCT	GGTGT	GGCCTCTGG	TCTGT	CAGC	TGCCGTGGCC
	139861	CCACGGTCAG	TCTGGTATCA	AACTCAT	TGGAC	GGCCTT	CCCGACGGCG
	139921	TAGTGGAGGA	AGACCTGCTT	ATTCTCG	AGCTTC	TGTGGGG	CAGGTCCCCC
	139981	ACACCACCTA	CTACGATGGG	GGCGT	TGTGG	ACCA	CACAAATGCC
	140041	CACGGGTGCT	GCATGTC	ACGGTGAC	CGTCCC	TCGCCCC	GTGGCATTG
40	140101	CCCTGTGTCG	CGCGACCGAC	AGCA	CCCCCG	TCCCAC	GAGCTCAATC
	140161	TGGCCCAACA	GCCGCTTTG	CGGGTCC	GGGCA	GGACTAT	GGGGTGTACG
	140221	TGTTACGCGT	ATGGGTC	GACGCG	ACGCCAG	GTTTGT	GGGATGGCCA
	140281	TAGCCGCCGA	AGGGACTCTG	GCGTAC	GCTCGC	TGGCT	GACCCGAAAC
	140341	TGCTTCCGTC	TTCGGCCCC	CGTCTGG	CGCGAG	ATACCA	GCCCCTAAC
45	140401	AGGCCTCCAC	CCCCTCG	ACCAC	CCCC	CACCAT	GCTCCCTCGA
	140461	CCACCATCCC	CGCT	CGAC	CGCC	CACGGGAG	CCAAAACAC
	140521	AACCTCCCGG	GGTCAAC	GAAC	CTAATG	GCGAGC	CGCGACTCGC
	140581	GATACGCGCT	AACGGTGAC	CAGATA	AGATAG	CCCCG	ATCATAGCCC
	140641	TGGTGT	GGGGAGCTG	ATTGCTT	TACACAG	TCAAC	TACCGACGCT
50	140701	CCCCTCGCCC	GATT	CCCCAGATG	CCAC	GGCAG	GTGAACGAAG
	140761	CGGCCATGGC	CCGC	GGCGAGCT	AATCG	GGCACC	CCCAAATCCC
	140821	GGCGCCGGTC	GTCAC	CCAATG	CCCTGAC	CATCG	GAGTCGGAGC
	140881	CCGCTGGGGC	GGCTGGG	CCGAC	CCGTGG	CACGAC	ACCCCAACGC
	140941	CTCCCTGTT	GGTATAGG	CACGG	GGCGGG	ACCACATA	CGACCGCAGT
55	141001	CCCTGAGTTG	GGAATAAACC	GGTATT	ACCTAT	GTGTAT	ATTCTTTCC
	141061	CCCCCTCCCC	GGAAACCAAA	GAAGGAAG	AAGAATGG	GGGAGGAG	CAGGAAGCCG
	141121	GGGAGAGGGC	CCGCG	TTAAGG	TGTTGT	ACTTTG	TTCTGGCGGG
	141181	TTGGTGC	GCT	GGGCT	TTTACCG	GATCG	TATCCCCGGG
	141241	ACATGGATCG	CGGGGCG	GTGGGG	TTCTCG	TTGTGTT	TCGTGCTTGG

	141301	CGGGAAACGCC	CAAAACGTCC	TGGAGACGGG	TGAGTGTCGG	CGAGGACGTT	TCGTTGCTTC
	141361	CAGCTCCGGG	GCCTACGGGG	CGCGGCCCGA	CCCAGAAACT	ACTATGGGCC	GTGGAACCCC
	141421	TGGATGGGTG	CGGCCCTTA	CACCCGTCGT	GGGTCTCGCT	GATGCCCCCC	AAGCAGGTGC
	141481	CCGAGACGGT	CGTGGATGCG	CGGTGCATGC	GCGCTCCGGT	CCCGCTGGCG	ATGGCGTACG
5	141541	CCCCCCCAGG	CCCATCTGCG	ACCGGGGGTC	TACGAACGGA	CTTCGTGTGG	CAGGAGCGCG
	141601	CGGCCGTGGT	TAACC GGAGT	CTGGTTATTG	ACGGGGTCCG	AGAGACGGAC	AGCGGCCTGT
	141661	ATACCCCTGTC	CGTGGGGCAG	ATAAAGGACC	CGGCTCGCCA	AGTGGCCTCG	GTGGTCTCTGG
	141721	TGGTGCAACC	GGCCCCAGTT	CCGACCCCCAC	CCCCGACCCC	AGCCGATTAC	GACGAGGATG
	141781	ACAATGACGA	GGCGGAGGAC	GAAAGTCTCG	CCGGCACTCC	CGCCAGCGGG	ACCCCCCGGC
10	141841	TCCCGCCTCC	CCCCGCCCCC	CCGAGGTCTT	GGCCCAGCGC	CCCCGAAGTC	TCACATGTGC
	141901	GTGGGGTGAC	CGTGCATATG	GAGACTCCGG	AAGCTATCCT	GT TTTTCCCCC	GGGGAGACGT
	141961	TCAGCACGAA	CGTCTCCATC	CATGCCATCG	CCCACGACGA	CCAGACCTAC	TCCATGGACG
	142021	TCGCTCTGGTT	GAGGTTCGAC	GTGCCGACCT	CGTGTGCCGA	GATGCGAATA	TACGAATCGT
	142081	GTCTGTATCA	CCCGCAGCTC	CCAGAAATGTC	TGTCCCCGGC	CGACGCGCCG	TGCGCCCGCGA
15	142141	GTACGTGGAC	GTCTCGCCTG	GCCGTCCGCA	GCTACGCGGG	GTGTTCCAGA	ACAAACCCCC
	142201	CACCGCGCTG	TTCGGCCGAG	GCTCACATGG	AGCCCCGTCCC	GGGGCTGGCG	TGGCAGGCGG
	142261	CCTCCGTCAA	TCTGGAGTTC	CGGGACGCGT	CCCCACAACA	CTCCGGCTG	TATCTGTGTG
	142321	TGGTGTACGT	CAACGACCAT	ATTCACGCGT	GGGGCCACAT	TACCATCAGC	ACCGCGGCCG
	142381	AGTACCGGAA	CGCGGTGGTG	GAACAGCCCC	TCCCACAGCG	CGGCGCGGAT	TTGGCCGAGC
20	142441	CCACCCACCC	GCACGTCGGG	GCCCCCTCCCC	ACGCGCCCCC	AACCCACGGC	GCCCTGCGGT
	142501	TAGGGGGCGGT	GATGGGGGCC	GCCCTGCTGC	TGTCTGCACT	GGGGTTGTG	GTGTGGCGT
	142561	GTATGACCTG	TTGGCGCAGG	CGTGCCTGGC	GGGCGGTTAA	AAGCAGGGCC	TCGGGTAAGG
	142621	GGCCCACGTA	CATTGCGTG	GCCGACAGCG	AGCTGTACGC	GGACTGGAGC	TCGGACAGCG
	142681	AGGGAGAACG	CGACCAAGGTC	CCGTGGCTGG	CCCCCCCCGG	GAGACCCGAC	TCTCCCTCCA
25	142741	CCAATGGATC	CGGCTTTGAG	ATCTTATCAC	CAACGGCTCC	GTCTGTATAC	CCCCGTAGCG
	142801	ATGGGCATCA	ATCTCGCCGC	CAGCTCACAA	CCTTTGGATC	CGGAAGGGCC	GATCGCCGTT
	142861	ACTCCCAGGC	CTCCGATTG	TCCGTCTTCT	GGTAAGGCGC	CCCATCCCGA	GGCCCCACGT
	142921	CGGTGCGCGA	ACTGGGCGAC	CGCCGGCGAG	GTGGACGTG	GAGACGAGCT	AATCGCATT
	142981	TCCGACGAAC	GC GG GACCCC	CCGACATGAC	CGCCCCCCCC	TCGCCACGTC	GACCGCGCCC
30	143041	TCGCCACACC	CGCGACCCCC	GGGCTACACG	GCCGTTGTCT	CCCCGATGGC	CCTCCAGGCT
	143101	GTCGACGCC	CCTCCCTGTT	TGTCGCTGG	CTGGCCGCTC	GGTGGCTCCG	GGGGGCTTCC
	143161	GGCCTGGGGG	CCGTCTGTG	TGGGATTGCG	TGGTATGTGA	CGTCAATTG	CCGAGGCGA
	143221	TAAAGGGCCG	GTGGTCCGCC	TAGCCGCAGC	AAATTAAAAA	TCGTGAGTCA	CAGCGACCGC
	143281	AACTTCCCAC	CCGGAGCTT	CTTCCGGCCT	CGATGACGTC	CGG GCTCTCC	GATCCAAC
35	143341	CCTCAGCGCG	ATCCGACATG	TCCGTGCCGC	TTTATCCCAC	GGCCTCGCCA	GTTTCGGTCG
	143401	AAGCCTACTA	CTCGGAAAGC	GAAGACGAGG	CGGCCAACGA	CTTCCCTCGTA	CGCATGGGCC
	143461	GCCAACAGTC	GGTATTAAGG	CGTCGACGCA	GACGCAACCG	CTGCGTCGGC	ATGGTGATCG
	143521	CCTGTCTCCT	CGTGGCCGTT	CTGTCGGGCG	GATTGGGGC	GCTCCTGTATG	TGGCTGCTCC
	143581	GCTAAAAGAC	CGC ATCGACA	CGCGCGTCCT	TCTTGTGTC	TCTCTTCCCC	CCCATCACCC
40	143641	CGCAATTGTC	ACCCAGCCTT	TA ACTACATT	AAATTGGGTT	CGATTGCCAA	TGTGTCTCC
	143701	CGGTTGATT	TTGGGTTGGG	GGGGAGTGGG	TGGGTGGGG	GTGGGTGGG	GGGGAGTGGG
	143761	TGGGTGGGG	GTGGGTTGGG	GGGGAGTGGG	TGGGTGGGG	GTGGGTGGG	GGGGAGTGGG
	143821	TGGGTGGGG	GTGGGTTGGG	GGGGAGTGGG	TGGGTGGGG	GTGGCAAGGA	AGAAAACAAGC
	143881	CCGACCAACCA	GACAGAAAAT	GTAACCATAC	CCAAACCGAC	TCTGGGGCT	GTTTGTGGGG
45	143941	TCGGAACCAT	AGGATGAACA	AACCAACCCG	TACCA CCCGC	ACCCAAGGGT	CGCGTGGCTC
	144001	ATCGGCATCT	GTCCGGTATG	GGTTGTTCCC	CACCCACTCG	CGTCGGACG	TCTTAGAATC
	144061	ATGGCGGTTT	TCTATGCCGA	CATCGGTTTT	CTCCCCCGCA	ATAAGACACG	ATGCGATAAA
	144121	ATCTGTTTGT	AAAATTATT	AAGGGTACAA	ATTGCCCTAG	CACAGGGGTG	GGGTTAGGGC
	144181	CGGGTCCCCA	CACCCAAACG	CACCAAACAG	ATGCAGGCAG	TGGGTCGAGT	ACAGCCCGC
50	144241	GTACGAACAC	GTCGATGCGT	GTGT CAGACA	GCACCAAGAAA	GCACAGGCCA	TCAACAGGTC
	144301	GTGCATGTGT	CGGTGGGTT	GGACGCGGGG	GGCCATGGTG	GTGATAAAGT	TAATGGCCGC
	144361	CGTCCGCCAG	GGCCACAGGG	GGCACGCTCT	TTGGTTGGCC	CGGAGCCACT	GGGTGTGGAC
	144421	CAGCCGCGCG	TGGCGGGCCA	ACATGGCCCC	TGTAGCCGGG	GGCGGGGGAT	CGCGCACGTT
	144481	TGCAGCGCAC	ATGCAGAGACA	CCTCGACCAC	GGTTCGAAAG	AAGGCCCCGT	GTTCCCGCGGG
55	144541	CAACATCACC	AGGTGCGCAA	GCGCCCGGGG	GTCCAGAGGG	TAGAGCCCTG	AGTCATCCGA
	144601	GGTTGGCTCA	TCGCCCCGGG	CTTGCCGCAA	GTGCGTGTGG	GTTGGGCTTC	CGGTGGGGCG
	144661	GACCGAACC	GC GGTGTGGA	TCCCGACGCG	GGCCCGAGCG	TATGCTCCAT	GTTGTGGGG
	144721	GAAGGGGTCT	GGGCTGCCA	GGGGGGCATA	CTTGCCCGGG	CTATACAGAC	CCCGAGCCG
	144781	TACGTGGTTC	GC GGGGGGTG	CGTGGGGTCC	GGGGCTCCCC	GGGAGACCGG	GGCTCCCGGG

	144841	GAGACCGGGG	CTCCCTGGGA	GACCGGGGTT	GTCGTGGATC	CCTGGGGTCA	CGCGGTACCC
	144901	TGGGGTCTCT	GGGAGCTCGC	GGTACTCTGG	GTTCCCTAGG	TTCTCGGGGT	GGTCGCGGAA
	144961	CCCAGGGCTC	CCGGGGAAACA	CGCGGTGTCC	TGGGGATTGT	TGGCGGTCTG	ACGGCTTCAG
	145021	ATGGCTTCGA	GATCGTAGTG	TCCGCACCGA	CTCGTAGTAG	ACCCGAATCT	CCACATTGCC
5	145081	CCGCCGCTTG	ATCATTATCA	CCCCGTTGCG	GGGGTCCCGA	GATCATGCGC	GGGTGTCCTC
	145141	GAGGTGCGTG	AACACCTCTG	GGGTGCATGC	CGGCAGCACGG	CACGCCTTTT	AAGTAAACAT
	145201	CTGGGTGCGC	CGGCCCAACT	GGGGCCGGGG	GTTGGGTCTG	GCTCATCTCG	AGAGCCACGG
	145261	GGGGGAACCA	CCCTCCGCC	AGAGACTCGG	GTGATGGTCG	TACCCGGGAC	TCAACGGGTT
10	145321	ACCGGATTAC	GGGGACTGTC	GGTCACGGTC	CCGCCGGTTC	TTCGATGTGC	CACACCCAAG
	145381	GATGCGTTGG	GGCGGATTTG	GGGCAGCAGG	CGGGGAGAGC	GCAGCAGGGG	ACGCTCCGGG
	145441	TCGTGCACGG	CGGTTCTGGC	CGCCTCCCGG	TCCTCACGCC	CCCTTTTATT	GATCTCATCG
	145501	CGTACGTCGG	CGTACGTCT	GGGCCCAACC	CGCATGGTGT	CCAGGAAGGT	GTCCGCCATT
	145561	TCCAGGGCCC	ACGACATGCT	CCCCCCCAGC	GAGCAGGAAG	CGGTCCACGC	AACGGTCGCC
15	145621	GCCGGTCGCC	TCGACGAGGA	CGTTCTCCT	GCAGGAAGGC	ACGAACGCCG	GTGAGCCCCC
	145681	TCCTCCGCC	CCGCGTCCCC	CCTCCTCCGC	CCCCCGTCC	CCCTCCTCC	GCCCCCGCGT
	145741	CCCCCTCCT	CCGCCCCCGC	GTCCCCCTC	CTCCGCC	CGTCCCCCCC	TCCTCCGCC
	145801	CCGCGTCCCC	CCTCCTCCAC	CCCCCGTCC	CCCCCTCCTC	CGCCCAACCA	AGGTGCTTAC
	145861	CCGTGAAAAA	AAGGCGGACC	GGTGGGTTTC	TGTCGTGCGA	GGCCCCGGGG	GTGCGTCCCC
20	145921	TGTGTTTCGT	GGGTGGGTG	GGCGGGTCTT	TCCCCCCCAGC	GTCCCGTGT	CCCTTCCGA
	145981	TGCGATCCCC	ATCCCAGAGC	GGGGCGTCGC	GATGCCGACG	CCGTCCGCTC	CGACGGCCCT
	146041	CTGCGACTCC	CGCTCCCCGT	CCGCGTGCCTC	CGCAGCCGCT	CCCGTCGTT	GTGGCCGGCG
	146101	CCGTCCTGCCG	GCGTCGGTCG	CGCCGGGCGCT	TTATGTGCGC	CGGAGAGACC	CGCCCCCCGC
	146161	CGCCCGGGCC	CGCCCCCGGG	GCCGGCGCGG	AGTCGGGCAC	GGCGCCAGTG	CTCGCACTTC
25	146221	GCCCTAATAA	TATATATATA	TTGGGACGAA	GTGCGAACGC	TTCGCGTTCT	CACTTCTTTT
	146281	ACCCGGCGGC	CCCGCCCCCT	TGGGGCGGTC	CCGCCCGCCG	GCCAATGGGG	GGGCGGCAAG
	146341	GCGGGCGGCC	CTTGGGCCGC	CCGCCGTCCC	GTTGGTCCCC	CGTCCGGCG	GGGGGGACCG
	146401	GGGGGCCCGG	GGACGGCCAA	CGGGCGCGCG	GGGCTCGTAT	CTCATTACCG	CCGAACCGGG
	146461	AAGTCGGGGC	CCGGGGCCCCG	CCCCCTGCC	GTTCTCGT	AGCATGCCGA	ACGGAAGCGG
30	146521	AAACCGCCGG	ATCGGGCGGT	AATGAGATGC	CATGGGGGGC	GGGGCGCGGA	CCCACCGGCC
	146581	CTCGCGCCCC	GCCCCATGGCA	GATGGCGCGG	ATGGGGGGGG	CCGGGGGTT	GACCAACGGG
	146641	CCGCGGCCAC	GGGCCCCCGG	CGTGCGGGCG	TCGGGGCGGG	GTCTGTCATA	ATGGAATTCC
	146701	GTTCGGGGTG	GGCCCAGCCG	GGGGGGCGGG	GGCCGGCGGC	CTCCGCTGCT	CCTCCTTCCC
	146761	GCCGGCCCC	GGGACTATAT	GAGCCCGAGG	ACGCCCCGAT	CGTCCACACG	GAGCGCGGCT
35	146821	GCCGACACGG	ATCCACGACC	CGACGCCGGA	CCGCCAGAGA	CAGACCGTCA	GACGCCGCGC
	146881	GCGCCGGGAC	GCGATAACGC	GGACGAAGCG	CGGGAGGGGG	ATCGGCCGTC	CCTGTCCTTT
	146941	TTCCCAACCA	AGCATCGACC	GGTCCCGCCT	AGTTCCCGT	CGACGGCGGG	GGTCGTCGGG
	147001	GTCCGTGGGT	CTCGCCCCCT	CCCCCCATCG	AGAGTCCGTA	GGTGACCTAC	CGTGTACGT
	147061	CCGCGTCGC	AGCCGTATCC	CCGGAGGATC	GCCCCGCATC	GGCGATGGCG	TCGGAGAAC
40	147121	AGCAGCGGCC	CGGCTCCCCG	GGCCCCACCG	ACGGGGCGCC	GCCCACCCCG	AGCCCAGACC
	147181	GCGACGAGCG	GGGGGCCCTC	GGGTGGGGCG	CGGAGACGGA	GGAGGGCGGG	GACGACCCCCG
	147241	ACCACGACCC	CGACCACCCC	CACGACCTCG	ACGACGCCG	GGGGGACCGGG	AGGGCCCCCG
	147301	CGGCGGGCAC	CGACGCCGCG	GAGGACGCCG	GGGACGCCGT	CTCGCCGCGA	CAGCTGGCTC
	147361	TGCTGGCCTC	CATGGTAGAG	GAGGCCGTCC	GGACGATCCC	GACGCCGCGAC	CCCGCGGCCCT
45	147421	CGCCGCC	GACCCCCGCC	TTTCGAGCCG	ACGACGATGA	CGGGGACCGAG	TACGACGACG
	147481	CAGCCGACGC	CGCCGGCGAC	CGGGCCCCCG	CCCGGGGCCG	CGAACGGGAG	GCCCCGCTAC
	147541	GCGCGCGTA	TCCGGACCCC	ACGGACCGCC	TGTCGCCGCG	CCCGCCGGCC	CAGCCGCCGC
	147601	GGAGACGTCG	TCACGGCCGG	TGGCGGCCAT	CGCGTCATC	GACCTCGT	GACTCCGGGT
	147661	CCTCGTCCTC	GTCGTCCGCA	TCCCTTCCTG	CCTCGTCGTC	CGACGAGGAC	GAGGACGACG
	147721	ACGGCAACGA	CGCGGCCGAC	CACGCACCGC	AGGCGCGGGC	CGTCGGCGG	GGTCGTCGA
50	147781	GCGCGGCGCC	GGCAGCCCCC	GGGCGGACGC	CGCCCCCGCC	CGGGCCACCC	CCCCCTCTCCG
	147841	AGGCCGCGCC	CAAGCCCCGG	GGGGCGGCCGA	GGACCCCCCGC	GGCCTCCCGCG	GGCCGCATCG
	147901	AGCGCCGCCG	GGCCCGCGCG	GGGGTGGCGC	GGCGCGACGC	CACGGGCCGC	TTCACGGCCG
	147961	GGCAGCCCCG	GGGGGTCGAG	CTGGACGCCG	ACGCGACCTC	CGGCGCCTTC	TACCGCGCGCT
	148021	ATCGCGACGG	GTACGTCAGC	GGGGAGCCGT	GGCCCGGGCGC	CGGGCCCCCG	CCCCCGGGGGC
55	148081	GGGTGCTGTA	CGGCGGCC	GGCGACAGCC	GCCCCGGCCT	CTGGGGGGCG	CCCGAGGC
	148141	AGGAGGCGCG	ACGCCGGTTC	GAGGCTCGG	CGGCCCGGGC	GGCGTGTG	GCGCCCGAGC
	148201	TGGGCGACGC	CGCGCAGCAG	TACGCCCTGA	TCACGCGGCT	GCTGTACACC	CCGACGCGG
	148261	AGGCCATGGG	GTGGCTCCAG	AAACCGCGCG	TGGTCCCCGG	GGACGTGGCG	CTGACCGAGG
	148321	CCTGCTTCG	GATCTCGGGC	GCCGCGCGCA	ACAGCAGCTC	TTTCATCACC	GGCAGCGTGG

	148381	CGCGGGCCGT	GCCCCACCTG	GGCTACGCCA	TGGCGGCCGG	CCGCTTCGGC	TGGGGCCTGG
	148441	CGCACCGGGC	GGCGCCCGTG	GCCATGAGCC	GCCGATAACGA	CCCGCGCGCAG	AAGGGCTTCC
5	148501	TGCTGACCAG	CCTGCGCCGC	GCCTACGCGC	CCCTGTTGGC	GCGCGAGAAC	GCGGCGCTGA
	148561	CGGGGGCCGC	GGGGAGCCCC	GGCGCCGGCG	CAGATGACGA	GGGGGTGCGCC	GCCGTCGCGC
10	148621	CCGCGCGACC	GGGCGAGCGC	GCGGTGCCCG	CCGGGTACGG	CGCCGCGGGG	ATCCTCGCCG
	148681	CCCTGGGGCG	GCTGTCCGCC	GCGCCCGCCT	CCCCCGCGGG	GGCGACGAC	CCCGACGCGC
	148741	CCCGCCACGC	CGACGCCGAC	GACGACGCCG	GGCGCCCGC	CCAGGCCGCG	CGCGTGGCG
	148801	TCGAGTGCCT	GGCGCCCTGC	CGCGGGATCC	TGGAGGCCT	GGCCGAGGGC	TTCGACGGCG
	148861	ACCTGGCGGC	CGTCCCAGGG	CTGGCCGGGG	CCCGGCCCCG	CAGCCCCCG	CGGCCGGAGG
15	148921	GACCCGCGGG	CCCCGCTTCC	CCGCGGCCGC	CGCACGCCGA	CGCGCCCCCG	CTGCGCGCGT
	148981	GGCTGCGCGA	GCTGCGGTT	GTGCGCGACG	CGCTGGTGT	CATGCGCCTG	CGCGGGGACC
	149041	TGCGCGTGGC	CGGGGGCAGC	GAGGCCGCGC	TGGCCGCGT	GCGCGCCGTG	AGCCTGGTCG
	149101	CCGGGGCCCT	GGGGCCCGCG	CTGCCGCGGG	ACCCGCGCCT	GCGAGCTCC	GCGGCCGCCG
	149161	CCGCCGCGGA	CCTGCTGTT	GACAACCAGA	GCCTGCGCC	CCTGCTGGCG	CGGGCGGCCA
20	149221	GCGCACCGGA	CGCCGCCGAC	GCGCTGGCGG	CCGCCGCGC	CTCCGCCGCG	CGCGGGAGG
	149281	GGCGCAAGCG	CAAGAGTCCC	GGCCCGGCC	GGCCGCCCGG	AGGCGGCGGC	CGCGCACCCC
	149341	CGAAGACGAA	GAAGAGCGGC	GCGGACGCC	CCGGCTCGGA	CGCCCGCGCC	CCCCTCCCCG
	149401	CGCCCGCGCC	CCCCCTCACG	CCCCCGGGGC	CCGAGCCCGC	CCCCGCCAG	CCGCGGGCGC
	149461	CCCGGGCCGC	CGCGGCCGAG	CCCCGCCCGC	GCCCCGTGGC	CGTGTGCGC	CGGCCCGCCG
25	149521	AGGGCCCCGA	CCCCCTGGGC	GGCTGGCGGC	GGCAGCCCC	GGGGCCCAGC	CACACGGCGG
	149581	CGCCCGCGGC	CGCCGCCCTG	GAGGCCTACT	GCTCCCCGCG	CGCCGTGGCC	GAGCTCACGG
	149641	ACCACCCGCT	GTTCCCCGTC	CCCTGGCGAC	CGGCCCTCAT	TTTGACCCG	CGGGCCCTGG
	149701	CCTCGATCGC	CGCGCGGTGC	GCCGGGCCCC	CCCCCGCCG	CCAGGCCGCG	TGCGGCGGCC
	149761	GCGACGACGA	CGATAACCCC	CACCCCCACG	GGGCCGCCGG	GGGCCGCCTC	TTTGGCCCC
30	149821	TGCGCGCCTC	GGGGCCGCTG	CGCCGCATGG	CGGCCTGGAT	GCGCCAGATC	CCGACCCCG
	149881	AGGACGTGCG	CGTGGTGGTG	CTGTACTCGC	CGCTGCCGGG	CGAGGACCTG	GCCGGCGGCC
	149941	GGGCCCTCGGG	GGGGCCGCCG	GAGTGGTCCG	CCGAGCGCGG	CGGGCTGTCC	TGCCTGCTGG
	150001	CGGCCCTGGC	CAACCGGCTG	TGCGGGCCGG	ACACGCCG	CTGGGCCGGC	AATTGGACCG
	150061	GCGCCCCCGA	CGTGTGGCG	CTGGGCGCAC	AGGGCGTGCT	GCTGCTGTCC	ACGCGGGACC
35	150121	TGGCCTTCGC	CGGGGCCGTG	GAGTTCTGG	GGCTGCTCGC	CAGGCCGCC	GACCGGGCGC
	150181	TCATCGTGGT	CAACACCGTG	CGCGCCTGCG	ACTGGCCCGC	CGACGGGCC	GCGGTGTCGC
	150241	GGCAGCACGC	CTACCTGGCG	TGCGAGCTGC	TGCCCCCGT	GCAGTGC	GTGCGCTGGC
	150301	CGGCGGCGCG	GGACCTGCGC	CGCACGGTGC	TGGCCTCGGG	CCGCGTGTTC	GGCCCGGGGG
	150361	TCTTCGCGCG	CGTGGAGGCC	GCGCACGCGC	GCCTGTACCC	CGACCGCGC	CCGCTGCGCC
40	150421	TGTGCCGCGG	CGGCAACGTG	CGCTACCGCC	TGCGCACGCG	CTTCGGCCCG	GACACGCCG
	150481	TGCCCATGTC	CCCGCGCGAG	TACCGCCGGG	CCGTGCTGCC	GGCGCTGGAC	GGCCGGCGG
	150541	CGGCCCTCGGG	GACCACCGAC	GCCATGGCGC	CCGGCGCGCC	GAACCTCTGC	GAGGAGGAGG
	150601	CCCACTCGCA	CGCCGCGCTG	GCGCGCTGGG	GCCTGGCGC	GCGCTGCGG	CCCGTGTACG
	150661	TGGCGCTGGG	GCGCGAGGCC	GTGCGCGCCG	GCCCCGCCCG	GTGGCGCGGG	CCGCGGAGGG
45	150721	ACTTTTGC	CCGCGCCCTG	CTGGAGCCCC	ACGACGACGC	CCCCCGCTG	GTGCTGCGC
	150781	GCGACGACGA	CGGCCCCGGG	GCCCTGCCG	CGGGCCCGCC	CGGGATTCCG	TGGGCCTCGG
	150841	CCACGGGCCG	CAGCGGCACC	GTGCTGGCG	CGCGGGGGC	CGTGGAGGTG	CTGGGGGCGG
	150901	AGGCGGGCTT	GGCCACGCC	CCGCGGCCGG	AAGTTGTGGA	CTGGGAAGGC	GCCTGGGACG
	150961	AAGACGACGG	CGGCGCGTTC	GAGGGGGACG	GGGTGCTGTA	ACGGGGCCGGG	ACGGGGCGGG
50	151021	GCGCTTGTGA	GACCCGAAGA	CGCAATAAAC	GGCAACAACC	TGATTAAGTT	TTGCAGTAGC
	151081	GTTGTTTATT	CGAGGGGGCG	GAGGGGGCGA	GGGGCGGGGAG	GGGGCGAGGG	GCGGGAGGGG
	151141	GCGAGGGGGCG	GGAGGGGGCG	AGGGGGCGGG	GGGGCGAGGG	GGCGGGAGGG	GGCGAGGGGG
	151201	GGGAGGGGGC	GAGGGGGCGG	AGGGGGCGAG	GGGCGGGAGG	GGGCGAGGGG	CGGGAGGGGG
	151261	CGAGGGGGCGG	GAGGGGGCGA	GGGGCGGGAG	GGGGCGAGGG	GGGGAGGGGG	GCGAGGGGG
55	151321	GGAGGGGGCG	AGGGGGCGGA	GGGGCGAGG	GGCGGGAGGG	GGCGAGGGGC	GGGAGGGGG
	151381	GAGGGGGCGG	AGGGGGCGAG	GGGCGGGAGG	GGGCGAGGGG	GGGTGGTGGT	GCGCGGGCGC
	151441	CCCCGGAGGG	TTTGGATCTC	TGACCTGAGA	TTGGCGGCAC	TGAGGTAGAG	ATGCCCGAAC
	151501	CCCCCCGAGG	GAGCGCGGG	CGCGCCGGG	AGGGCTGGG	CCGGGGAGGG	CTGGGGCGG
	151561	GGAGGGCTGG	GGCCGGGGAG	GGCTGGGGCC	GGGGAGGGCT	GGGGCGGGGG	AGGGCTGGGG
	151621	CCGGGGAGGG	CTGGGGCTGG	GGAGGGCTGG	GGCTGGGGAG	GGGGCGGGTGG	TGTGTAGCAG
	151681	GAGCGGTGTG	TTGCGCCGGG	GTACGTCTGG	AGGAGCGGG	GGTGCGCGGT	GACGTGTGGA
	151741	TGAGGAACAG	GAGTTGTTGC	GCGGTGAGTT	GTGCGTGTGA	TTGTGTTGT	TGGCAGGTG
	151801	TGGTGGATGA	CGTGACCGTGT	GACGTGCGGA	GTGCGCCGTG	CTCTGTTGGT	TTCACCTGTG
	151861	GCAGCCCCGG	CCCCCCCGCG	GCGCGCGC	GCGAAAAAAA	GGCGGGCGGC	GGTCCGGGGC

151921 GCGTGCAGCGC GCGCGGGCGG CGTGGGGGGC GGGGCCGCGG GAGCGGGGGG AGGAGCGGGG  
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 5 152161 GGAGGAGCGG GGGGAGGAGC GGCCAGACGC CGAAAACGGG CCCCCCCCCA AACACACCCC  
 152221 CGGGGGTCG CGCGCGGCC TTTAAAGCGG TGGCGGCAGG C

**HUMAN HERPESVIRUS 2 (SEQ ID NO:110)**

10	1 AGTCCCCGTC CTGCCGCGCG GGGGCGGGCG CGGGAAAAAA GCCGCGCGGG GGCGCCCGCG 61 GGAAGGCAGC CCCGCGCGC GCGGGGGGAG GGGCGCGGCC CGCGGGGGAG CGGGCGGCTC
	121 CGGGGGAGGG ACGGGAAAGG GGGCGCGCGG GGCTGCCCTG CGGCCCGCCC GCCGCCGCG 181 CCCGCCTTCG CGCCCCCCCC CAAAAAACAC CCCCCCGGG GTTGACTCC CGGGGGAAA
	241 AGAGGCGGGG CGGGAGTCCC CGTCCTGCCG CGCCCCCTTA AGAGGGCCCG CAACACGGCC 301 CGGGCTGCAGC ACGCCAGCGG GGACGGGTGA GTTCGCTAGG CAAGCACGGA CTGGCGGTTA
15	361 CACGTGCATG CGTGCCGAGT GAACTCTCCC GCCCGCACGC GCTCCGGCTC CGGGCCTACG 421 CCGAGCCCAG CGGCCGCCA TGTCCCGCCG CGGGGGTCCC CGCCGCCGGG GTCCCCGGCG 481 CGGGCGCGC CCCGGCGCTC CAGCCGTGCC GCGCCCGGG GCTCCAGCCG TGCCGCGCCC 541 CGGCGCGCTC CCAACCAGCAG ACTCCCAAAT GGTCCCTGCG TACGACTCGG GAACCGCGGT
20	601 CGAGAGCGCG CGGGCCGCGT CCTCGCTCCT GCGGCCTGCTGG CTGCTGGTGC CCCAGGCGGA 661 CGACAGCGAC GACGCGGACT ACCCGGGCAA CGACGACGCA GAGTGGGCGA ACAGCCCCC 721 GAGCGAGGGC GGGGGGAAGG CGCCGGAGGC CCCGCACGCC GCGCCTGCCG CGCCTGCC 781 CCCGCCGCCG CGCGCAAGG AGCGCGGGCC GCAGGCCCCC CTTCCGCCAC ACCTGGCGCT 841 ACGGCTGCAGC ACCACGACGG AGTACCTGGC GCGCCTGAGC CTGCGCCGGC GGCGGCCCC 901 CGCGTCCCCG CCCCGGGACG CGCCGCGCGG GAAGGTACGC CTCCCTCCG ACCCCCTGAC
25	961 GCCCCTCCGA CCCCCTGACG CCCCTCCGAC CCCCTGACGC CCCTCCGACC CCCTGACGCC 1021 CCTCCGACCC CCTGACGCC CTCGACCCCC CTGACGCCCT TCCGACCCCC GTGTCTCCCC 1081 GCCCGCAGGT GTGCTCTCG CCGCGCGTGC AGGTGCGCCA TCTGGTGGCC TGGGAGACGG 1141 CCGCGCGCT GGCCCGACGG GGGTCCTGGG CGCGCGAGCG GGCGGACCGC GACCGGTTCC 1201 GGCGCCGCGT GGCGCGGGCC GAGGCGGTCA TCGGACCGTG CCTGGAGGCC GAGGCCCGAG
30	1261 CTCGGGCCCG AGCCCGAGCC CGGGCCCAAGG AAGACGGCGG ACCCGCGGAG GAGGAGGAGG 1321 CGGGGGCGGC GGCGCGCGGG TCCTCCGCGG CGCGGGGCCCG GGGCGTCGG CGGGTCTAGG 1381 GTTGAACCGG CGAGGGCGGC CTCGGCCGGC GGAGCCCCGG AGCTCGAAG GTCTGCGCA 1441 GGCGCTCTC CGAAGAGACG ATGGGAGCCC CGCGTATATA TCCCGAGGGG CCGGGCGCCG 1501 CCCCCCGCCT CGCCCGGCCCG CAGGGGGCGG CGCCGGCCAA CGCGCGCCCG CGCGCGGGC
35	1561 CCGGACTCCG CCCCAGCGAC CGCCCGCGC CGGCTTCCCG GTATGGTAAT TAGAAACTTT 1621 TAATAGGCAG TCCCGGCCGC CATCCCCCGC CATGGTAATT AGCAACTTTT AATGGGCGGG 1681 CGTTCCCGCT CGCGGTAAATT AGCAGCTTT AACGGGCCGC CATTCCCGCT TATGGTAATT 1741 AAAAACGTTG GGACGGCCCC TCGCTCCCCG CGTAATTACT CCCTGGGGGT TCCGGGTTAT 1801 GCTGATTACT TTCTGGCAG AACACGCGA GCCTCGCGCG CGCGGGGTG GTGGGGCTGA
40	1861 TCGGGCCCTA TTGGTCCCCCT GGGCTTCCTA GTATGCTAAT GAATTTTCC CGGGGGCGG 1921 GCACCACTCA GGGCGCGGCC GGGGGGGCGC CGGGGGGACT CCCATCTGCC TCGGCGGGGG 1981 GCGGCGCATG CTAATGGGGT TCTTGGAGTA CACCCGGTTG GTCCCCGGGG ACGGGGCCGC 2041 CCCGAGAGGG GGGGATTCCCC TCCCTCCGCC CCCGCGGGGG CGCGCGGCTA TTGGGGGAAT
45	2101 CGTAAATGCC CCCCCTTTGG GGGAGTGGAT AGGCGCCGGG TATAAGGCAG CCCCCTGTGA 2161 CGGTCGGGCC GCATTCCGAC CCCGGCACTG CGAGCGACGG AGCGGCCGCC CGCGGGGAGG 2221 AGGAGACCCG GAGAGACAGA GACTAAAACC CGGCAAGAGA GAGACCGCGG GCGCCCGTCT 2281 CGAGTCTACC CTACCCCGGC TCATGGAACCG CGGGCCCGGC ACGAGCTCCC GGGCGGACCC 2341 CGGCCCGAG CGGCCGCCGC GGCAGACCCC CGGCACGGTG AGAGGGCGAC CCCCCTGTCT 2401 CAGGGCCCCC CTTTCCCCG GACCACCCGG CTGCGGGTTG GGGGTGGTCG CGGGCGGTGG
50	2461 GCTGGGGGGC GGGGACGGCTT GACGGGGCGG ACCCCCGGCC CGCTTAAGCG GTGGGGGGAC 2521 CCCCCGTGGGC CGTGCAGCGC CCCCCGACCC TCTGGGGGGG CGAGGGAGGC AGGGAGGAGC 2581 CCGAGAGCGG GGGACAGGGG GGGAGACGAG GGGTCGGAAT CCAAAGGACG CAGACCACT 2641 TTGGTTACGG ACCCCTTCT CCCCCCTTC CGAACAAAAA GCAGCGGGCG GGGGGCGGG 2701 GTGAGGGAGG GACACGGGGG ACACGGCGCG GGGGTCCCGC CTCACGCCCG GCGCCCTCTA
55	2761 AATCCCCCCC GTTGCTTGT CAAGCAGCCC GCGCCCCCGC ACGCCTGGG GATGCTCAAC 2821 GACATGCAGT GGCTCGCCAG CAGCGACTCG GAGGAGGAGA CGGAGGTGGG AATCTCTGAC 2881 GACGACCTTC ACCGCGACTC CACCTCCGAG CGGGCGAGCA CGGACACGGA GATGTTGAG 2941 GCGGGCCTGA TGGACGGGGC CACGCCCCCG GCGCCGCCCG CGGCGAGCG CCAGGGCAGC 3001 CCCACGCCCG CCGACGGCA GGGATCCTGT GGGGGTGGC CGGTGGGTGA GGAGGAAGCG

	3061	GAAGCGGGAG	GGGGGGCGA	CGTGTGTGCC	GTGTGCACGG	ACGAGATCGC	CCCGCCCCCTG
	3121	CGCTGCCAGA	GTTTCCCTG	CCTGCACCCC	TTCTGCATCC	CGTGCATGAA	GACCTGGATT
	3181	CCGTTGCGCA	ACACGTGTCC	CCTGTGCAAC	ACCCCGGTGG	CGTACCTGAT	AGTGGGCGTG
	3241	ACCGCCAGCG	GGTCGTTCA	CACCATCCCC	ATAGTGAACG	ACCCCGGAC	CCCGGTGGAG
5	3301	GCCGAGGCCG	CCGTGCGGGC	CGGCACGGCC	GTGGACTTTA	TCTGGACGGG	CAACCCCGCGG
	3361	ACGGCCCCCGC	GCTCCCTGTC	GCTGGGGGGG	CACACGGTCC	GCGCCCTGTC	GCCCACCCCC
	3421	CCGTGGCCCG	GCACGGACGA	CGAGGACGAT	GACCTGGCCG	ACGGTGAGGG	CGGGCGGGGG
	3481	TCGGGCGGGG	GGCGGGCGGG	GGTCGGGCGG	GGGTCTGGCG	GGGGTCGGGC	GGGGGTCTGGG
10	3541	CGGGGGTCGG	CGGGGGTCG	GGCGGGGGTC	GGGCGGGGGT	CGGGCGGGGG	TCGGGCGGGG
	3601	GTCGGGCACT	AACCGGGGGC	TCCCCTCTCT	GTCTCCCTCT	CGAGTGGACT	ACGTCCCCGCC
	3661	CGCCCCCCGA	AGAGCGCCCC	GGCGCGGGGG	CGGCGGTGCG	GGGGCGACCC	GCDDAACCTC
	3721	CCAGCCCCGCC	GCGACCCGAC	CGGCGCCCCC	TGGCCCCCCG	CGGAGCAGCA	GCAGCGGCCGG
	3781	CGCCCCGTTG	CGGGCGGGGG	TGGGATCTGG	GTCTGGGGGC	GGCCCTGCCG	TCGCGGCCGT
15	3841	CGTGCCGAGA	GTGGCCTCTC	TTCCCCCTGC	GGCCCGCGGG	GGGCGCGCGC	AGGCGCGGCCG
	3901	GGTGGGCGAA	GACGCCCGGG	CGGCGGAGGG	CAGGACGCC	CCCAGAGAC	AGCCCCCGC
	3961	GGCCCAAGGAG	CCCCCCATAG	TCATCAGCGA	CTCTCCCCCG	CCGTCTCCGC	GGCCGCCCCGC
	4021	GGGCCCGGGG	CCGCTCTCCT	TTGTCTCCCT	CTCCTCCGCA	CAGGTGTCCCT	CGGGGCCCGG
	4081	GGGGGGAGGT	CTGCCACAGT	CGTCGGGGCG	CGCCCGCGC	CCCCGCGCGG	CCGTGCCCCC
20	4141	GCGCGTCCGG	AGTCCGCCCC	GCGCCGCGCG	CGCCCCCGTG	GTGTCTGCGA	GCAGCGGACGC
	4201	GGCCGGGCC	GCGCCGCCCC	CCGTGCGGGT	GGACCGC	CGCGCGCCCC	GGTCGCGCAT
	4261	GACCCAGGCT	CAGACCGACA	CCCAAGCACA	GAGTCTGGGC	CGGGCAGGCG	CGACCGACGC
	4321	GCGGGGTGCG	GGAGGGCGGG	GCGCGGAGGG	AGGACCCGGG	GTCCCCCGCG	GCACCAAACAC
	4381	CCCCGGTGC	GCCCCCCCACG	CGCGCGAGGG	GGCGCGGGCC	CGCCCCCGGA	AGAGGCGCGG
25	4441	GTCGGACTCG	GGCCCCCGGG	CCTCGTCTCTC	CGCCTCTTCC	TCCGCCGCC	CGCGCTCGCC
	4501	CCTCGCCCCC	CAGGGGGTGG	GGGCCAAGAG	GGCGCGCCG	CGCCGGGGCC	CGGACTCGGA
	4561	CTCGGGCGAC	CGCGGCCACG	GGCCGCTCGC	CCCAGCGTCC	CGGGGCGCCG	CGCCCCCGTC
	4621	GGCGTCTCCG	TCGTCCCAGG	CCGCGGTGCG	CGCCCGCTCC	TCCTCTCTCC	CCTCTCTCTC
	4681	CTCCGCCTCC	TCCTCCCTCG	CCTCCTCCCTC	CTCCCGCTCC	TCCTCTCTCC	CCTCTCTCTC
30	4741	CTCCGCCTCC	TCCTCCCTCG	CCTCTTCCTC	TGCGGGCGGG	GCTGGTGGGA	CGTGCCTCGTC
	4801	CGCGTCCGGC	GCTGGGGAGA	GACGAGAAC	CTCCCTCGGC	CCCCGCGCTG	CTGCGCCCGC
	4861	GGGGCCGAGG	AAAGTGTCCA	GGAAAGACGCG	CCACCGCGAG	GGCGGCCCGG	AGCCCCGGGGC
	4921	CCCGCACCCG	GCGCCCGGCC	TCACCGC	CCTGCCCATC	CGGGGGGTCT	CGAGCGTCGT
	4981	GGCCCTGGCG	CCTTACGTGA	ACAAAGACGGT	CACGGGGAC	TGCGCTCCG	TCCTGGACAT
35	5041	GGAGACGGGC	CACATAGGGG	CCTACGTGGT	CCTCGTGGAC	CAGACGGGA	ACGTGGCGGA
	5101	CCTGCTGC	GGCGCGGCC	CCGCGTGGAG	CCGCGCACC	CTGCTCCCCG	AGCACGCGC
	5161	CAACTGCGT	AGGCCCCCCC	ACTACCGAC	GCCCCCGCG	TCGGAGTGGA	ACAGCCTCTG
	5221	GATGACCCCC	GTGGGCAACA	TGCTCTTGA	CCAGGGCACC	CTGGTGGCG	CGCTGGACTT
	5281	CCACGGCCTC	CGGTCGCGCC	ACCCGTGGTC	TCGGGAGCAG	GGCGCGCCCG	CGCCGGCCGG
40	5341	CGACGCC	GGGGCCACG	GGGAGTAGGG	GGAGCTAAC	CTCGGCTTGC	TGCCGAAGG
	5401	AAGCCGCC	CCACCGGACC	ACCGGCCGAG	GCGCTCGGG	GGCAGGGGGA	GGTGGGGGGG
	5461	GGGAAAGACG	GGGAGGAGAC	AGGAAGTGGG	GGTGGGAGTG	GGGGGGGGGG	ACGGACACGG
	5521	CCCCGACAG	CAACACACAC	CAGCATTTTG	TTATGGACTT	TCTGGCCTTG	TTGAAAACCTT
	5581	GAGGAAAAAA	AAAACTTTAT	ATTATAAAA	ATTTACAAAT	AAAGTTTGT	GATGTTTTG
45	5641	ACACACTTTG	TTGTTGGCCT	TTGATGCAGC	TCCCCCGCGC	AGGGGGGCCG	GGGATGGGGG
	5701	GGAAGGGAGG	AGGAGGAGGG	GGGGCGGGCA	CGAGAACCG	CCCCCACCCC	CGAGGCCTGT
	5761	TGGTCTTTAT	CATAGAACAG	AGCCGGGGCC	CGGCCCTCGT	CTGGCTCCCT	GTCTTGGTGG
	5821	GTGGGCGGGC	TGGCTGGCG	GTAAAAAAAG	AGTGTGTCCG	TGTTGACAGG	GAGGGGGGCC
	5881	CGATCGTGCA	GAGCACCGAC	GTCTGGCCCG	CCAGACCTG	GGGGTGGTGG	GCAGGAGTGG
50	5941	GAGGGCGCCT	GGCTCGGGGA	GGGAGGAGGG	GGGGGGTCAG	CCGCACCAACC	GGCGCGAACG
	6001	CAGGGGCCAG	GGAACATTGA	TAGAGAGGGG	GGAAAGTGGG	GGGGGGCGA	GGGGCGTTGA
	6061	ATCACACACG	ATGCACGCC	TCTGCC	GGGACGGGTG	GGAGGAAGGA	GGAGGGAGAA
	6121	GAGAACAGCC	GAGGCATGCA	CCCGCACTTA	CGCCCGTGC	CACCCCCGCC	CCGGCGCCCA
	6181	CCCCGCCCGC	ACACCTGCC	GCCACGCC	CCCCTCCTCA	CCCTGGCTGG	GAGAAAGGAG
55	6241	GAGGAGCAGG	AAGAGGAGAC	CCGAGGCATG	CAACCGCACT	CACCCCCACCC	CGCCCGCACA
	6301	CCTGCCCGCC	ACGCCGCC	CTCCTTACCC	TGGCTCGGG	GAGACTCCA	TGGGGCGAG
	6361	GGGGCTCGCG	CGTTCGCAAC	ACCACACCAC	ACCACACGGC	CCACCAACAC	ACGGCCAC
	6421	ACGACACAAC	ACGACACGAC	GGCTTTTGCG	GGGCATGCAA	GTCGACACAC	CGCGCGCGTG
	6481	CCTACCTTTC	CCTAGGGCC	CCGGCCCCCG	GCCCCTTCC	TTCCGCCACC	ACTACCACCA
	6541	CCCCCCCGCC	CGCGCCACG	CGGTAGAGGA	AGGGACGGG	CGCCACACCC	ACGGCTGTGG

	6601	CCGGGCACGC	GCCTTTGGGG	TTGTTGGGGG	GGGGTGACCG	GCGCGTGGGG	GCGGTGGGCG
	6661	TACGGGCCCG	ACCCGCGCCT	GCCCCCCC CGG	GAACGACGAC	GGGGGGGGGG	AAAACGGGGG
5	6721	TGGGTGGAAG	GGAAGAGGAA	GGAGAAAGGG	GGGGTGGATC	CGAACACGCC	GGATCCGCGA
	6781	AAATAATAAC	AAAACAAACA	AAAACAGAAA	AAAAAACAAA	AACACCTAGA	AAAAAAAGGAT
	6841	ACGGGTTGGC	TCGCGGGCGG	TGCGGCTGAC	CTGCTGCCC	TTTCTGGGAC	CCCCGCCTCG
	6901	TGTTTCTTGA	AAGGGGGAGG	AAGAACAGTT	CTCCCCCAAC	CCCTGCTCTC	TTCTCTCTTC
	6961	CGCCCGCCCC	CCCCCCCTCT	CCCCGCCGCC	TCAGCAGAAG	CTCACCTGTA	CGACCCCTAAA
10	7021	CCTACCTGCG	AGAACCGCGC	GGCTTCGAGG	GGCGCGCTCT	CTCACACAGAG	ACACACCGCAG
	7081	GCGCCCCCCC	CCCCCGGAGC	CTGGGTCCCC	CGGCGGACGG	CTCACCGGGC	GCGGCGTCTC
	7141	GGTGGGACGC	GGGCAAAGGG	CGGCGGGCGG	GGGGGGGGGG	GGGGGAAATG	TGAGGAGAGC
	7201	GAGACAGAGA	GAGAGAAGGA	AGAGGGAAAGG	GGCGCGGCCG	GACGGGGGAA	GACGAGGGAGA
	7261	AGGGAAAGGGG	CGAGGGTCGG	GCCCCGGGAGC	GGGGCGGCC	GGGAGGGAGA	AGAAAACGGAA
	7321	CGCGGAAACG	CCGCCGGCGC	GGCCCGGGGC	CCCGGGGCC	CCGCGCTCCG	CCGGGGGCC
15	7381	GGGCCGGACC	GCCGGGGGGG	GGACGCCCTC	CGCCCCGGCG	CGGGCGGCTA	CCCGGGACCC
	7441	CCGGCCGGGA	ATCGAAAAAA	GCCTCCGGGG	GCCCCCTTCG	CGCCTTCGCG	GAACGCGCGG
	7501	CGCCGGAGGG	GGCGGCCGCG	GAGGTGCGGG	GGCCCCCTCCG	GCCGGGGCGC	ACCTCGGCGG
	7561	CCAAGCCCCG	GCCCGCCCGG	GGGTCCCCGA	GGCAAGAGGC	GGACCCCTCG	AGGCGCGGAA
	7621	GAAGACGGGA	GGCGGGGGAA	AAAAGGGGGG	AGAGAGGGGG	AGTAGGGAG	GGGAGAGGAG
	7681	AAGGGCGCGC	CGGTGCGCGG	AGCAGCCTTC	CTTCTCCGGA	GTCCCTCTCG	ATCGGCGGCC
20	7741	GGCCCTCTGCG	TTCGTTGCTG	CCGCGCCCCC	GGTTTTATAA	AGACAGGGAT	GACGCAGCAG
	7801	AAATGCCAAC	AGCAACACGC	GGGCGGGGCT	CGGGCTCTCC	GGCGGCTTAA	TGGATCTCCG
	7861	GGCACGGCGC	CCGCAACCAC	AGAGCACTCA	GCTGGCGCGC	CCCCCCCCAA	CGTGGGAGTG
	7921	TTTAATGGAA	GGGCGTGGGG	CCGGCCGCGC	GATGCCCGCG	GGGGCCTAAT	GCGGCGGGAG
	7981	CGCTGGGCCG	CTGGCGCCGC	GGCCCGTCTG	CTGGCCCGCG	GCCCCTCTGC	TGGCCCGCGG
25	8041	CCACGTAAAC	AATGACACAG	GGGTTCTCTC	CGCCCGGGCC	GGCGCGGGGC	TTTGGCCGGCC
	8101	CGGCCCGGCC	CCGGAGCCCC	CGGCGCTGCT	CGGCTGCGGC	CGCGGGCTCC	GGGGGCTCCG
	8161	CACTCTGCC	GGCTCGCCCC	GTCCCCCCTC	TTGCTGCTTT	TCCGCGCGCC	TCTCTTTCCC
	8221	GTTGCTTTCC	CTCTCCCCCC	CCCCCCCCCTC	CTCTCTCTCT	CTCTCTCTCT	CCGCCATCCT
	8281	CCCGCCCGGC	CGCCCCACTCC	CCGCTCGGCC	TCTCCGGCTG	CGGTGCTTGG	GTCTCCTTCG
30	8341	TCGGCGGGCG	GGGGGGGGGC	GTCGGGACTC	GCGGAGGGCC	GGAGAATGGA	AGGCGAGGGGG
	8401	ATGCAGGAGG	AGGATCGGG	CTCCCCATCT	TCTGCCCTTC	CATCCTCCGT	TTTTCCGCTT
	8461	TCCACCGCCG	CCGCCACCAC	CCCCCCCCTC	TTCGCCCGCC	CGCCTCGGCC	CGGACCCCTC
	8521	CCCCCCGTGT	TCCCCCATC	GTTCACCAAC	ACGCCCCCCTA	CCGCGCCTTG	GCTGTTTGGG
	8581	GGGTGGCGGGC	GGTGGTCGGC	GTGCTGCCGG	AGGCTGCGGG	CGCGGGGTAG	GTGGGTGGGC
35	8641	GGGTGGTGGG	GGGGGGCCCG	GCTCGTCTC	GCCCGATCC	CGCCGGTGGG	GCGCGGCGGC
	8701	GGTCGGGGTG	GGGGGAGAGT	GTCGTGGGTG	TGTTTTCTGT	TCCCCCACCA	CCACTCCCAC
	8761	CCCGACCGCC	GCGCGCCCG	CGTTTCTGCC	GCCCCGCCGC	TCCTGTGTGG	ACCCCGGGGT
	8821	GGGCGGGCGGG	GGGGGGTGCC	GTGGGTGTGG	CGGCGGGGGC	CGGGCCGGGG	CCGGGGCTCG
	8881	CTGGTCCGCC	GAAGTAAAGA	AAAGATCGCC	ACCGTGTGTT	CGTCTGTGTG	TTCTGCGCGG
40	8941	CGCCGGGGCC	CCCCTGCCGG	GGGGGGCGGT	GGGGCGGGGT	CGGGGTGCGC	GCGGGGAAGG
	9001	AAGGAAAGAC	CCCGGAAGCG	CCGGGAGGGG	GCGCCGGCGC	GACGCGGGCG	GCCGGGCGGG
	9061	GGCGCGCGGC	GGCCGGGGCG	GGCGCGCGCG	CGGCCGGGGCG	GGGGCGCGCG	GCGGCCGGGC
	9121	GGGGCGCGCG	GGCGGCCCGG	GGGGGGCGCG	CGGCGGCCGG	GGGGGGCGCG	GCGGCGGCCG
	9181	GGCGGGGGCG	CGCTTCCCCC	GCCTCGCCCC	TGGGGTTCCC	AAGACCTATC	ACGTGTGCGC
45	9241	AGGGGAGGGG	AGGACCGGG	GGAGGGGAGG	ACGCGGGGGA	GGGGAGGACG	CGGGGGATAT
	9301	ATAAAAGCGGT	AGAAAAGCGC	GGAATGGGCA	TATTGGACCC	CGTGTGATTG	GTTGCTCGCG
	9361	GTTGCTTGT	TTGGACGTTT	TTTATGCGGG	AAACAGGGGG	CTTACCGGTT	ACACTGTCCG
	9421	CTCGCTATGG	GGTTCGTCTG	TCTGTTTGGG	CTTGTGTTA	TGGGAGCCTG	GGGGGGGTGG
	9481	GGTGGGTAC	AGGCAACCAGA	ATATGTTCTT	CGTAGTGTG	TTGCCAAAGA	GGTGGGGGAC
50	9541	ATACTAAGAG	TGCCTTGCAT	GCGGACCCCC	GCGGACGATG	TTTCTTGGCG	CTACGAGGCC
	9601	CCGTCCTGTTA	TTGACTATGC	CCGCATAGAC	GGAATATTTC	TTCGCTATCA	CTGGCCGGGG
	9661	TTGGACACGT	TTTGTGGGA	TAGGCACGCC	CAGAGGGCGT	ATCTGGTAA	CCCCCTTCTC
	9721	TTTGCGGCGG	GATTTTGGG	GGACTTGAGT	CACTCTGTGT	TTCCGGCCGA	CACCCAGGAA
	9781	ACAAACGACGC	GCCGGGGCCCT	TTATAAAGAG	ATACGCGATG	CGTGGGGCAG	TGAAAACAG
55	9841	GCCGTCAGCC	ACGCACCCGT	CAGGGCCGGG	TGTGTAAACT	TTGACTACTC	ACGCACTCGC
	9901	CGCTGCGTCG	GGCGACCGCA	TTTACGGCCT	GCCAACACCA	CGTCAACGTG	GGAACCGCCT
	9961	GTGTCGTCGG	ACGATGAAGC	GAGCTCGCAG	TCGAAGCCCC	TCGCCACCA	GCCGCCGGTC
	10021	CTCGCCCTTT	CGAACGCC	CCCCACGGCG	GTCTCCCCGA	CGCGAGGTG	GCGCCGGCAT
	10081	ACTCGCCTCC	GACGCAACTA	GCCACGTCTG	CATCGCAAGC	CACCCCTGGGT	CGGGAGCAGG

	10141	ACAGCCGACC	CGTCTAGCGG	CCGGGTGGC	TGTCCAGCGT	CGTCGCCCTA	GAGGCTGTCC
	10201	GCCGGGCCTG	ATGTTTCCG	CATCTACGAC	CCCCGAACAG	CCCCTGGGC	TGTCGGCGA
	10261	TGCGACGCCG	CCCCTGCCGA	CTTCCGTGCC	CCTGGACTGG	GCCGCGTTTC	GGCGCGCGTT
	10321	TCTGATCGAC	GACGCCCTGGC	GGCCCCCTGTT	GGAGCCGGAG	CTCGCAACC	CCCTAACCGC
5	10381	GCGCCTCCCTC	CGGGAGTATG	ACCGTCGGTG	CCAGACCGAA	GAGGTGCTGC	CGCCCGCGGGA
	10441	GGATGTGTT	TCCTGGACGC	GGTATTGTAC	CCCCGACGAC	GTGCGCGTGG	TTATCATCGG
	10501	GCAGGACCCG	TACCACCATC	CCGGCCAGGC	GCACGGCCTG	GCGTTTAGCG	TGCGTGCAGGA
	10561	TGTGCCGGTG	CCTCCGAGTC	TACGGAACGT	GCTGGCGGCG	GTAAAAAATT	GTTACCCCGA
10	10621	CGCGCGCATG	AGCGGCCGCG	GCTGCCCTGG	AAAGTGGGCT	CGCGACGGCG	TGCTGTTGTT
	10681	GAACACGACC	CTGACCGTCA	AGCGCGGGGG	GGCGCGCTCC	CACTCCAAGC	TTGGATGGGA
	10741	CCGTTTTGTG	GGCGGGGTGG	TCCAACGGCT	GGCCCGCGC	CGCCCGGGCC	TGGTCTTTAT
	10801	GCTCTGGGGC	GCCCCATGCC	AGAACGCGAT	CAGGCCGAC	CCTCGCCAAC	ACTACGTCC
	10861	CAAGTTTCT	CACCCGTGCG	CCCTCTCCAA	GGTCCCCTTT	GGGACGTGCC	AGCATTTCCT
15	10921	CGCCGCGAAT	CGCTACCTCG	AAACCCGGGA	CATTATGCCG	ATCGACTGGT	CGGTATAAGA
	10981	TGCCGACATC	CGGGGTCTTG	ATTTACGAGG	GGGCAATTAA	TAAAGACTGT	TGATGGTTAA
	11041	ATCTCGGGTC	TCATACCGGT	CCGTGATGTC	GGGCGTGGGG	GAAGAGAGGG	TCCCTCTGC
	11101	GTTTACTATC	CTTGCCCTCGT	GGGGCTGGAC	GTTTGCACCC	CAGAACCATG	ATCCTGGCGC
	11161	GTCGCCGAAT	ACGACGCCA	TAGAGTCGAT	TGCGGGGAC	GCACCGGACG	CGCACGTGGG
	11221	GCCTCTCGAC	GGAGAGCCG	ACCGGGATGC	GATCTCCCCG	CTTACGTGCGA	GCGTGGCCGG
20	11281	CGACCCGCCG	GGGGCGGACG	GCCCCTACGT	CACCTTGAT	ACTCTGTTA	TGGTATCTTC
	11341	GATCGACGAA	CTGGGGCGCC	GCCAGCTCAC	GGATACGATC	CGTAAGGACC	TGCGGCTGTC
	11401	GCTGCCAAG	TTCAGCATCG	CGTGTACCAA	GACCTCGTC	TTTCGGGGA	CGGCCGCGCG
	11461	CCAGCGCAAG	CGCGGAGCAC	CGCCGCAACG	CACATGCGTA	CCACGCAAGCA	ACAAGAGCCT
	11521	CCAGATGTT	GTTTGTGCA	AGCGCGCCAA	CGCCGCGCAG	GTGCGCGAGC	AGCTGCGGGC
25	11581	GGTTATTCGG	TCGCGCAAGC	CGCGCAAGTA	TTACACGCCG	TCCTCGGATG	GGCGGCTCTG
	11641	CCCGGCCGTC	CCC GTGTTT	TACACGAGTT	TGTTTCGTCC	GAACCCATGC	GCCTCCATCG
	11701	AGATAACGTC	ATGCTGTCTA	CGGAACCAGA	CTAACGACCC	CCGCCGTCCC	CTTCTTTTC
	11761	CCCCTACCC	TCCCCCGTTA	CTGATGTGTT	GTACGTTCA	ATAAAATAACA	CGTAGCTTAT
	11821	TTTGTGTTGAT	GATGGATTGA	TTGATTTAT	TGACCGTTCG	TCGCCCCGC	GGTGCCTGTC
30	11881	CCGCGCGCAG	AGGGAATATG	CAAGCGGGCG	GGGTGGGGAG	GAAAGAAGGT	TTCAAGGTTCC
	11941	GGGGGTTGGG	TCTGCGCTGT	CCAGGGTGGG	GCTGATCTGA	ATTTCGGCA	GAACCTCGAC
	12001	CAGTAGGTCT	GTTGTGTTT	CTGGGAACTC	GCCCCCGCTT	GGGGATAACGG	GGGCGGGGGG
	12061	TGTGGTCGGG	CGGACGTCCA	GGGGTGCCTT	ATCGCACCC	CGCGCCGCT	CGGGGGCGT
	12121	CCCGTAGATC	GTTGCGGTGA	TGTAGATGGT	GTCCGGGGTC	CACACCACCG	TCAGGATGCC
35	12181	GGCGTCGCA	CTCCGGACGC	TTTCGCCGTG	CGATGAGCTG	ACCCAGGAGT	CAAAGGGTA
	12241	CGCGTACATA	TGGGCGTCCC	ACCA CGCCTC	CAGCCTCTGG	GTACTAGCGC	GTCCCTATAAA
	12301	GCGGTATGCG	CAAAATTCCG	CACGACAGTC	GATAATCACC	AGCAGCCGA	TGGGGGTGTC
	12361	TTGTATCACC	ACGCCTCCGC	GGGGCAGGCG	GTCCTGGCGC	GCTCGACCCC	GCCTCAGAAC
	12421	CGCGCGCGTC	CCTGACTCAA	ACACGTGCAC	CACCTGTGCC	GCCTCAGGCA	GCGCGCTCGT
40	12481	TAGCGACGCC	CTGGGGTGAT	GTAGGCTGTA	CGCGATGGTC	GTCTGGGGT	TCCCCATGTC
	12541	TCGGGGGGGT	GGGGGTGAAT	GTCACCCGGC	CGGGGTGCGG	TGGGAACCGC	AGGGAATGGA
	12601	GGGTTAAATG	ACAATGACCA	CATT CGGATC	CGCTAGAGCA	GATAGTATGT	GCTCGCTAAT
	12661	GACGTATCG	CGTTCGTGGC	GCTCCCGGAG	CGGGTTTAGA	TTCATGTGCA	GGAACTCGGA
	12721	TGAGGTGGTG	CGGGACATGG	CTACGTACCG	GCTTTTAGG	CGCAGGTTTC	CGGGCGTGAA
45	12781	GCATATGGCG	ACCTTGCCA	GACTGAGCCC	CTGGGAGCGC	GTGATGGTCA	TCGCGAGTTT
	12841	GGAGCTGATG	CCGTAGTCGG	CGTTGATGGC	CATGCCAGC	TCCGTGGAGT	CGATCGACTC
	12901	GACAAACTCA	CTGATGTTGG	TATTGACGAC	AGACATGAAG	CCGTGCTGGT	CCCGCAGGAC
	12961	GATGTAGGGC	AGGGGGGACT	CCTCCAAGAA	CTCGGCCACG	CCGGCCGTGCG	CGTGCCTGCCG
	13021	CCGCAGCTCC	TCCGCGAACG	CGAACACCCG	GGTGTACGTG	TACCCCATCA	GCCTGTTAGTT
50	13081	GTCCGTCTGC	AGGGCCACGG	ACATCAGCCC	CCC CGCGCGC	GAGCCGGTCA	GCAGCTCGCA
	13141	GCCCCGGAAA	ATGACATTGT	CCACGTAGGT	GCTGAAGGGG	GCGCTCTCAA	ACACCTCCCC
	13201	GAAGAGCTCC	CGTAGGATAA	GGTATCGCCC	CAGAAAGGCC	CTCTTCAGGA	GCCCAAACG
	13261	GGCGTGGACG	GCCGCGGTGG	TCTCAGGCTC	TTCGAGGGCG	TAGTGGCAGT	AGAACACGTC
	13321	CAGCTGCTGT	TCGTCCAGCC	CGCGAAGAT	AACGTCAAGG	TCGTCGTGCG	GGAAGTCGTC
55	13381	CGGGCCCCCG	TCCC CGGGGC	CCAGGTGCTT	AAAATTGAAC	GCACGCTCCC	CCGGAGAGCG
	13441	GTCGCTGGTG	TCGGCGGCC	TGGTTGCCGA	TGCGCCGGCG	GCCTCCCGC	GTAGCGACAG
	13501	GAGTTCTGCC	GTCAGCTCCC	CTAGGCAGGCC	GTAGGCCAGG	GTCCTCTGGG	TCGCGTCCAG
	13561	GCCGGGGCGC	TGGAGAAAGT	TGTAAAAGTG	AATCAGCCCG	CCGAACATGA	GCCCGCACAG
	13621	GAACCGGTAG	CGGAACCTCA	CCGAGGTCTC	CCCCTGGGTC	TTCACGAAGC	TGTCGTCGCG

	13681	CAGCACAGCC	TCGAAGGTCC	GAAACGTCCC	GTCGAACCCA	AACACCATCT	TTCGGAGGCG
	13741	CGCGGTCAACC	GCGACCTGGC	TGTTGAGGAC	GTACGTGATG	TCGTTCCGGG	CCACGACTAG
	13801	CTGTTGCTTG	CTGTGCACCT	CACAGCGCAC	GTGCCCGCG	TCCTGGTCCCT	GACTCTGGGA
	13861	GTAGTTGGTG	ATGCGACTGG	CGTTGGCCGT	GATCCACTTT	TCCATGGTCA	GC GTGGGTTG
5	13921	CTGCGTGAGC	CGTCGATACT	CGTCAAACCT	TTTGACCGAC	ACAAACGTGA	GCACGGGGAG
	13981	GGTAAACACA	ACAAACCTCCC	CCTCGCGAGT	CACCTTTAGG	TAGGCGTGGA	GCTTGGCCAT
	14041	GTACGCGCTG	ACCTCCTTGT	GGGACGAGAA	CAGCCCGTC	CACCCCGGAA	GGTTGGCCGG
	14101	GTTGGTGATG	TAACTTCCG	GGACGACAAA	GC GGTCACCA	AACTGCATGT	GCTCCTCGGT
	14161	GATGGGAAGG	CCGTACTCCA	GCACCTTCAT	GAGGTTCCCG	AACTCGTGT	CCACACATCG
10	14221	CTTGGTGTAA	ATGAAAATGG	CCCAGCTGTG	CGAGAGGCGC	GTGTACTCGC	GTAGGGTGCG
	14281	GTTGCAGATG	AGGTACGTGA	GCACGTTTC	GCTCTGCCGG	ACGGAGCATC	GCAGTTTTG
	14341	GTGTTCGAAG	GTGGACTCCA	GGCAGGGCGT	CTGGGTCGGC	GACCCCACGC	ACACCAGCAC
	14401	CGGCCGCAGG	CGGCCCGCGT	ACTGGGGGGT	GTGGTACAGG	GCGTTAACCA	TCCACCAGCA
	14461	ATACACCACG	GT CGTGAGTA	GGTGC CGCCC	CAGGAGCCCG	GCCTCGTCGA	TGACGATAAT
15	14521	GTTGCTGCCG	GTGAAAGCCG	GCAGCGCCCC	GTGTGTGACC	GAGGCCAGGC	GC GTGAGGGC
	14581	ACCCCTGGCCC	AGCCCCAAAG	TCTGCTCTAG	GGCGGTGAGG	GCGTGGAACT	CGTTTCGCGC
	14641	GTCTCGCCC	CCGTGCGCCG	CCAGGGCCCG	CTTGGTGTATG	TCGAGGATCA	CCTCCCAGTA
	14701	GTACGTCAGG	TCTCGCCGCT	GCAGGTCTTC	CAGCGAGGCG	GGGCTGCTGG	CCAGGGTGTA
	14761	CGGGTGCTGC	CCCAGCTGGG	CCTGGACGTG	ATTCCCGCGA	AACCCGAACT	CGTAAAGAT
20	14821	GGTGGTGTATG	GGTCGACTCA	GAAACGCCCC	CGAGAGCTTA	ACGTACATGT	TCTCGGCCGC
	14881	GATT CGCGTG	GCGCCCGTGA	CCACGCAGTC	CAGGACCTCG	TTGAGGGTCT	GCACGCACGT
	14941	ACTCTTTCCG	GATCCGGCGT	TGCCGGTGTATG	GAGATACGCC	GCGAACGGAA	ACTCCCGGAG
	15001	CGGCAGGCCG	GT CGGGACCT	CCAAGGCCGC	CACGTCCC GG	AACCACTGCA	GGCGCGGCAC
	15061	CTGCGTGACG	TCGAGCTGCT	GCTCGCAGAG	CTCTCGGATG	CGTGCATGA	TTGGTTGGAC
25	15121	CCC GTGCATG	GACGTAAAAT	TTAAAAAACGC	CTCGTCCCTG	AACCGCACGG	CGGGTCTGGC
	15181	CCC GGGCTGC	TGTGGGGCG	GACCTGGTGC	CCGGACGTCC	CGCGAGCCT	CCCCGCCGGA
	15241	CGCGGCCATG	GCGCACAGC	GCGCGCGGGC	GCGGCGATG	CGGACGCGGG	CGGGCGACGC
	15301	GGCGCTATGC	GCCCCCGAGG	ACGGCTGGGT	GAAGGTTCAC	CCCACCCCCG	GGACGATGTT
	15361	GTTCCCGCAG	ATTCTCTCG	GGCAGATGGG	GTACACCGAG	GGTCAGGGGG	TGTACAACGT
30	15421	CGTCCGGTCC	AGCGAGGCCG	CCACCCGACA	GCTGAGGCG	GCGATCTCC	ACCGCCTCCT
	15481	CAACGCCACG	ACGTACCGGG	ACCTGGAGGA	GGACTGGCGC	CGCCACGTGG	TGGCCCGCGG
	15541	CCTCCAGCCG	CAGCGGCTGG	TTCGCAGGTA	CCGGAAACGCC	CGGGAGGGCG	ATATCGCCGG
	15601	GGTGGCCGAG	CGGGTGTTCG	ACACGTGGCG	ATGCACGCTC	AGGACGACGC	TGCTGGACTT
	15661	TGCCAACGGG	GTGGTAGACT	GCTTTGCGCC	GGGCGGCCCA	AGCGGACCGA	CCAGCTTCCC
35	15721	CAAATATATC	GA CTGGCTGA	CGTGTCTGGG	GCTGGTTCCC	ATATTGCGCA	AGACGCGCGA
	15781	GGGGGAGGCG	ACGCAGCGCC	TGGGGCGTT	TCTCAGGCAG	CACACGTGC	CCCGGCAGCT
	15841	GGCCACGGTC	GCGGGGCCG	CGGAGCGCGC	CGGCCCCGGG	CTTCTGGATC	TGGCCGTGCG
	15901	GTTCGACTCC	ACGCGCATGG	CGGAATACGA	CCGCGTGCAC	ATCTACTACA	ACCATCGCCG
	15961	GGGGGAGTGG	CTGGTGC CGC	ACCCGGTCAG	CGGGCAGCGC	GGCGAGTGCC	TGGTGTGTG
40	16021	CCCCCCCCTG	TGGACCGCG	ACCGCCTGGT	CTTCGATTG	CCCGTTCA	GGCTGTGCC
	16081	CGAGATCGTC	CGGTGCCACG	CCCTCCGGGA	ACACCGCGAC	ATCTGCCGTC	TGCGCAACAC
	16141	CGCGTCCGTC	AAGGTGCTGT	TGGGGCGCAA	GAGCGACAGC	GAGCGCGGGG	TGGCTGGCGC
	16201	CGCGCGGGTC	GTCAATAAGG	CGCTGGGGGA	GGATGACGAG	ACGAAGGCCG	GCTCGGCCGC
	16261	CTCGCGTCTC	GTGCGGCTCA	TCA TCAACAT	GAAGGGCATG	CGCCACGTGG	GGCACATCAA
45	16321	CGACACGGTA	CGCGCCTACT	TGGACGAGGG	GGGGGGGCAC	CTGATCGACA	CCCCCGCCGT
	16381	CGACCA CACC	CTCCCTGGGT	TGGCAAGGG	CGGCACCGGC	CGCGGGTCG	GCCCCCAGGA
	16441	CCC GGGGGCG	CGACCGCAGC	AGCTTCGCCA	GGCGTTTCAG	ACGGCCGTGG	TCAACAACAT
	16501	CAACGGCATG	CTGGAGGGCT	ATATCAATAA	TCTCTTGGG	ACCATAGAAC	GCCTCGCGAGA
	16561	GACGAACCG	GGTCTGGCGA	CCCAGCTGCA	GGCGCGCGAC	CGCGAGCTGC	GGCGCGCCCA
50	16621	GGCGGGGGCG	CTGGAGGGGG	AGCAGCGCG	GGCGGACCGG	CGGGCCGGGG	GAGGCGCGGG
	16681	CCGCCCCGGC	GAGGCGGATC	TTCTCCGGGC	CGACTACGAC	ATTATCGACG	TCAGCAAGTC
	16741	CATGGACGAC	GACACGTACG	TGGCAACAG	TTTCAGCAC	CAGTACATCC	CCCGCGTACGG
	16801	CCAGGACCTC	GAGCGCCTGT	CGCGCCTCTG	GGAGCACGAG	CTGGTGGCT	GCTTCAAGAT
	16861	TCTCGGCCAC	CGCAACAAGC	AGGGCCAGGA	AACGTGATC	TCGTACTCTA	GC GGGGCGAT
55	16921	CGCCTCCTTC	GTGGCCCCGT	ATTCGAGTA	CGTGTTCG	GCCCCCGAG	CGGGCGCGCT
	16981	CATCACCGGC	TCCGATGTCA	TCCTAGGGGA	GGAGGAGTTA	TGGGAGGGCG	TCTTTAAGAA
	17041	AACCCGCCTG	CAGACGTACC	TGACAGACGT	CGCGGCCCTG	TCGTTGGCG	ACGTACAGCA
	17101	CGCGGCTCTG	CCCCGGCCCC	CCTCCCCAAC	CCCCGCCGAT	TTCCGGGCGA	GC GCGTCCCC
	17161	CGGGGGCGGG	TCCCGGTCCC	GGACCCGGAC	CCGATCCC GG	TCGCCCCGGA	GAACGCCGAG

	17221	GGGTGCGCCG	GACCAGGGCT	GGGGCGTCGA	ACGCAGGGAT	GGCCGACCCC	ACGCCCGCCG
	17281	ATGAGGGAAC	GGCCGCCGCC	ATCCTCAAAC	AGGCCATCGC	CGGGGACCGC	AGTCTGGTCG
	17341	AGGTGGCGGA	GGGGATCAGC	AACCAGGCGC	TGCTGCGCAT	GGCCTGCGAG	GTGCGCCAGG
	17401	TCAGCGATCG	CCAGCCCGGG	TTTACCGCGA	CCAGCGTCCT	GCGCGTTGAC	GTCACCCCCA
5	17461	GGGGCGGGTT	GCGGTTCGTT	CTGGACGGGA	GTTCCGACGA	CGCGTACGTG	GCGTCGGAGG
	17521	ATTACTTTAA	GCGCTGCCGG	GACCAGCCGA	CGTATCGCGG	TTTGCGGTC	GTCGTCCTCA
	17581	CGGCCAACGA	GGACCACGTG	CACAGCCTGG	CCGTGCCCGG	CCTCGTTCTG	CTGCACCGGC
	17641	TCTCCTTGT	TCGCCCCACG	GACCTCCGGG	ACTTCGAGCT	CGTCTGCCTG	CTGATGTACC
10	17701	TGGAGAACTG	TCCCCGGAGC	CACGCCACGC	CCTCGCTGTT	CGTCAAGGTG	TCGGCGTGGT
	17761	TGGGGGTCGT	GGCCC GCCAC	CGCTCTCCCT	TCGAGCGCGT	CCGCTGCCTT	CTCCTCCGCA
	17821	GCTGCCACTG	GATCCTGAAC	ACGCTAATGT	GCATGGCGGG	CGTGAAGCCC	TTCGACGACG
	17881	AGCTAGTCCT	GCCCCACTGG	TACATGGCCC	ACTACCTGCT	GGCCAACAAT	CCGCCCCCCC
	17941	TCCTCTCGGC	CCTGTTTGC	GCCACCCCGC	AGAGCTCTGC	GTTGCAGTTG	CCCGGGCCCG
15	18001	TCCCCCGCAC	GGACTGTGTG	GCCTATAACC	CGGCCGGCGT	CATGGGAAGC	TGCTGGAATT
	18061	CCAAGGACCT	CGGTTCGGCT	CTGGTGTATT	GGTGGCTTTC	GGGGAGCCCC	AAACGACGGA
	18121	CCTCGTCGCT	TTTCTATCGG	TTTGCTAAC	TCCGGAAAAT	AAACGTGTTT	TTTATGGAAC
	18181	GTTCcccACC	TGTCGTGTCA	TCTCTGGGG	GATGGTGGTG	GGCCTGTGTG	TGTGTCTTGT
	18241	GCACCGAAGG	AGGAAAGTGG	GGGGGTGGTG	GTGCTGGTGG	TGGAAAGACA	TGATAGAGGG
	18301	AACAAAGAAA	TAGAAGAAAA	CCACAACCGG	CGCGTGCCAG	TAAATACGGA	CGCGCGCACA
20	18361	CGCGGGGGGT	AAAGTTGGAGC	ACGGGGCCCC	GGTTTATTGA	CCAAATTCA	GGAAACAGAA
	18421	ACCGAATCTT	TTCATCGAAA	GGGTACACAA	AGCTCCCGCC	CTCGCCCCAC	ACGCCCTCCA
	18481	GAACCCCCGT	AAACACCACT	TGAATCTCGC	GCAGGATCTC	GCGCAGGTGA	TGGGCGCAGT
	18541	CCACGGGGGG	GAGCACCAAG	GGCCGCGGGT	ACAGATCCAC	GGGGACGCCG	ACCGACTCCC
	18601	CGCCCCCGGG	ACATACGCGC	ACGACGCGTC	TCCAGTATTG	CTCCGCGTCC	AGCAGGGCGC
25	18661	CTCCCGGGAA	GGCCGTTTGG	GGCAGGGGGT	CGTCCGGCTC	GCCTGGGGGG	GTCAGAACGC
	18721	TCCAGTACTC	CGCGTCCAGA	CGCCTCCCGA	AGGCATCCAG	GACAAAGCGG	TCACAGCGT
	18781	CCTCCATGAC	GCCCCGGGCC	GCGCACACGG	CCTCCCTCCGG	CGGGCCGGCG	GCCGGCCGCG
	18841	GGAGGATTG	TCTCAGCGCG	TCGCGCATAA	CCTCCGGCCGC	CGCGCGTAC	GCGGCCCCCGC
	18901	GGAGAGGAAA	TCCCTGCGAG	AAGTCGGTGT	CATCCGCGGA	GTTCCAGAAC	CACGCCCCGG
30	18961	TCTGGCTCCA	GGTGACGACG	TGGGTGTAGA	CGCCCTCTGG	CGCCAGGGAG	GGGGCGAGGC
	19021	GCGGCGTAT	GCGTTGGCC	GAAAGTACGG	CGCGCACCGA	CGCCTCGAGG	GCCCGGCGGG
	19081	CGTCTCTGGAT	CGCGCCGTGC	GGGGCGTCCG	CGTCCCCGGG	GTCCACGTTG	AACAGCCCC
	19141	AGAACCGCAGC	CCC GTGCG	CCGCAGACCG	CAAACTTAC	CGAGCTGGCC	GTCTGCTCGA
	19201	TCTGCAGGCA	GACGGGGGCC	ATGACCCCCG	CGAGCAGCTG	CGGGAGCGCG	GGGCAGGC
35	19261	CGCACCGC	CGGCACCAAG	CGCTCCAGCA	CGGCCCGGGC	CCAGGGCTCC	GAGGGGGCGG
	19321	CCGCCACCAAG	CGCGTCAGC	CTTTCAGGC	CCGCCCGGCC	CGGGGCTTCC	GGCAGCCC
	19381	CTTCCCCGAG	GCCCCGGAGG	GGGGCCAGGA	GCTGGGCTG	GAGCCC	AAACAAAACC
	19441	GCGCCGTCCA	GACGGGGCCG	ACGGCCGCCG	GGGGGTGAG	TAGTTGGATG	GTGGTGGCCG
	19501	TGGGGTGCCA	CCGCGCGACC	GCTTCCCAGA	AGGCGGGCAG	GAGGCGGGCG	GCCGCCTCCG
40	19561	AGGCCACGGC	CGGCCATGCC	CGCGGGGGCA	GGACGACCC	GGCGCCCACC	GCAGGGCCAGG
	19621	CCCCCAGGCA	CGCGGCATGG	GTGGCGCGG	CGCCCCCGAC	CAGGTCA	CGCAGACTCGG
	19681	CGGCGGCGGC	GGCCGGCACG	GTAACACGTG	GCCAGCCC	AAATCCCAGC	ACGGCAAAGT
	19741	ATTGGACGGG	CCCTCCCCGG	ACCTCAAACC	CGGGCCCCAG	AAAAGCGAAG	ACGGGGGCCA
	19801	GGGCTCCGGG	GGCGGGCGTGG	ACCGTGGTAT	GCCACTGCC	GAAGAGGGCG	ACCAGCGCCG
45	19861	GGGCGGAGAA	CCC GTGCCG	GGCGTCACGA	AGTAGTCGTA	GCCCGCGGGC	AGCAGCACCC
	19921	GCGCCGTGAC	CCGCTGCCGG	TGTCCGCGGG	GCCGAGGCC	GACCTCGCAC	ACCTCGACCA
	19981	GGTCCCGCGA	GGCGCCCTCC	TTCTCTGGTC	GGGGAAACGC	CAGGGTGGTG	TATTGCGCG
	20041	CAAAACCGC	GGTCCTCGTC	GTGATGGTGA	CGGCCAGCGA	GGCGGAGGAC	GCGCACTGGG
	20101	GGCTGCGCG	AATGGCGGCC	AGGCGCGCCC	ACGCCAACCG	CGCGCCGGGG	TGCTCGCGA
50	20161	CGCGCGCGGA	CAGGGCCAGC	GGGTGCGACGT	CGACCTTGGC	CTCCACGTCC	AGAACCGTCT
	20221	CGCGAGGAGC	GGCCGGCGGG	CCCCACGACG	CCCTTTCGAC	CCTCACGACC	AGAACCGTCT
	20281	GCGGGTCCCA	GCCCAGGCCG	AGCGGGACGA	AGAGGGCCCA	CGGGCCCGTC	TGGCGCTCCA
	20341	GGGCCGCCAG	AACGCACGCA	TACAGCGCCC	GCCACAGGGT	CGGGTCCCC	AGGGGCTCCA
	20401	GCGGGGAGGC	GGCCGGGGCC	GTCGCGGCCG	GGGCGGCCG	GACGGCCCCG	GGGGCCGAGA
55	20461	CGTCGGGGGA	GCCGTAGAAG	TCCCTGAGGT	CGGACGAACC	AACGGACACC	TCCGCGAACG
	20521	GC CGCGCGC	CTCCCCCGCG	GGGTGCGCAG	AGACCAAGATA	CAGCAGGGCG	TGGAGGCAGT
	20581	CGCGCGTGC	CGGGGGCAGC	CATACCGCGT	ATAGGGTAAT	GGCGCTGACG	CTCTCCTCCA
	20641	CCAAACGAT	GCCGGGGGCT	TCCATGCCAC	GACGCCCGGG	GGTTGCCGTG	TATCGAACGA
	20701	GC GCGGCC	AGACTTATAG	GGTGCTAAAG	TTCACCGCCC	CCTGCATCAT	GGGCCAGGCC

	20761	TCGGTGGGAA	GCTCCGACAG	AGCCGCCCTCG	AGAATGATGT	CAGTGTGGG	CTGGGCGCCG
	20821	GAGGC GTGCG	TGCGCAAGCA	GCGCCCCCAC	GCGGGCGCGC	GCAGCTTGAA	GCCGCGGCC
	20881	GCAAACCTCCC	GCTTATGGC	CATCAGCAGC	GCGTACAGCT	GTCTGTGCGT	CCGGCAGGCG
	20941	CTGTGGTCGA	TGCGGTGGC	GTCCAGCAGC	TCCACGATGG	CTCGCTTGGT	GAGGTTTTA
5	21001	ACGCGCCCG	CCCCGGAAA	CGTCTGCGTG	CTCTTGGCCA	GCTGCACCCC	GAACAGTTCG
	21061	CCCCAGATGA	TCTTGAACAG	CGACAGCGCG	TGCTCCGTCT	CGCTCACCGA	CCCGCGCGGG
	21121	GGGCAGCCGC	TCAGGGCGTC	GGCCACGCGC	TTAACCGCGT	CCTCCGACAG	CAAGGGGCCG
	21181	TCGGTCACGT	TACAGTGGCC	CAGTTCGAAC	ACCAGCTGCA	TGTAGCGGTC	GTAGTGGGGG
	21241	TTCAGCAGCT	CCAGCACGTC	CTCGGGGCTA	AAGGTTGCC	CCGACCCCCC	GGCCATCGAG
10	21301	TCCCACGTGCA	GGCACCGGGC	CATGGTGCTG	CACAGACGGA	ACAGCTCCC	GACGGGGGCC
	21361	ACGTTTAGGG	TGGGGTGTAG	GGCCACAAGC	TCCAGCTCTC	CGGCGCGT	GATCGTGGGG
	21421	ATGACGCCCG	TGGCGTAGTG	GTCGTAAAGC	CGCCCGGAAGA	TGGCGCTGCT	ATGGGCGGCC
	21481	ATGGGGACGC	GAAGACAGGC	CTCCAGCAGC	ACCAGGTAGA	TGAACCGCGT	GCGGCCGACC
15	21541	AGGCTGTTGA	GGCCGCGCAT	GAGCGCGACC	ACCTCGGCCG	GCGCGACGTC	CGGCCGGAGG
	21601	TACTTTTCGA	CGAAAAGGCC	CACCTCCTCC	GTCTCGGCCG	CCTGGGCCGA	CAGGGACGTG
	21661	TCGGGGTCCT	GGCAGCGCAG	CTCCCGCAGA	TCCCGCTGGG	CCCTCAGGGC	ATCAAAATGT
	21721	ATCCCCCGCA	AAAACAGACA	AAAGTTCCCTC	GGGGTCAGCG	CGGCGTCGTG	GCCCCAGAAC
	21781	CGCACGTGCA	TGCAGTTGAG	GGTCAGAACG	ATGTGGAGGA	TGTTAAGACT	GTCCCGAGG
20	21841	CACGCCAGCG	TGCACCTCTC	GAAGTAGTGC	TTGTACCGGA	ATTGCTGTGTA	GATGCGCAG
	21901	CCCCCGCCT	GCGCCGCGTC	GGCGTGCAGC	GCGTCGCAGC	GCCCTTGAA	CCGGCGGCAC
	21961	AACAGGTTCG	TCACCTGGGA	AAACTGTGCC	GGCCACTGCC	CGCTGGCGCT	CACCACGTGG
	22021	TTGAGCAGCA	TGGCGTAAA	GACGGGCTCC	GAGCGCGCC	CGGACCCGTC	CATGTAGATC
	22081	AGCAGCTCCC	CCTGCGGAG	AGTCCGTACC	CGCCCCAGCG	ACTGGTACAC	GGACACCATG
25	22141	TCCGGCCCGT	AGTTCATGGG	TTTCACGTAG	GCGAACATGC	TGTCAAAGTG	CGGCGGATCG
	22201	AAGCTAAGGC	CCACCGTCAC	GACCGTTGTG	TAGATGACCA	CCCGGTACCG	GCCCCATGTG
	22261	GTCACGTGCG	CGGGCGGGGT	GAGCGAGTGG	AGCAGCAGCA	CGCGGTCCGT	AAACTGCCGG
	22321	CAGAACCTGG	CAACGACCTC	CGCGAAGGAG	ACCGTCGAGC	AGAAGATGCA	GACGTTATCT
	22381	CCGCCGGCCA	GGCGCGCCTC	CAGCTCCCCG	AAGAAGGTGG	CYTCCGGGGG	GGCGTCCGGG
30	22441	GGGGCGGCC	CGCCCCGCCGG	CCCCCGGCCGG	CGCAGGGCCG	CCTGCAGGAC	CTCGGGCCCC
	22501	AGGCGCGGGA	GAAACAGACA	ACGGCGCGCC	GAAAATCCGG	GCATGGCGTA	CTCCCCGATG
	22561	ACCACGTGAA	CGTTCTTTC	GCCCCGGAGG	CTGCACAGAA	AGTCCACCA	CTGCGCGTTG
	22621	GCGGTGGCGT	CCATGGCGAT	GATCCGCGGG	CACGTGCGCA	GCAGGCGCAG	CATCAACGCC
	22681	TCGACGCGGC	CCAGCTGCTG	CATCGTCGGC	GAGTACAGTT	GGCCCAACGT	CGACATGACT
35	22741	TCGTCAGGA	CGAGCACGTC	GTAGTTGTT	AACAGGTTCG	GGCCCACGCG	ATGAAGACTT
	22801	TCCACCTGCA	CGATGAGACG	GTGGAAGGGG	CGGTCGTTCA	TGATGTAATT	GGTGGATGAG
	22861	AAGTAGGTGA	CGAACGTCGGG	CAACCTGAC	TCAGCGAAC	CGCTCGCCAG	GGTCTGAGTA
	22921	AAACTCCGAC	GACAGGAGAC	GACCAGCACA	CTCGTGTCCG	GAGAGTGGAT	CGCTTCCCCC
	22981	AACCAGCGGA	TCAGCGCGGT	AGTTTTCCC	GAGCCCATTG	GCAGCAGGAC	CACAGTTACG
40	23041	CACCGGGCCG	TCGGGGCGCT	CGCGTCCGGG	AAGGTGACGG	GTCCGTGTTG	CTGCCGCTCG
	23101	ATCGTTGTT	TCGGGGTGGAC	CCGGGGAAC	CACTCGGCCA	AATCCCCCCC	GTAAAGCATC
	23161	CGCGCCAGCG	ATACACTCGA	CGTGTACTGC	TCGCACTCGT	CATCCCCGAT	GGGACGCCGG
	23221	GCCCCCAGGG	GATCCCCCGA	GGCCGCGCCG	GGCAGCCGACG	TCGCGCCCGG	GGCGCGGGCG
	23281	GCGTGGTGGG	TCTGGTGTGT	GCAGGTGGCG	ACGTTCATCG	TCTCGCCAT	CTGCGTCGTG
45	23341	GGGCTCCTGG	TGCTGGCTC	TGTGTTCCGG	GACAGGTTTC	CCTGCCTTTA	CGCCCCCGCG
	23401	ACCTCTTATG	CGAACCGCAA	CGCCACGGTC	GAGGTGCGCG	GGGGTGTAGC	CGTCCCCCTC
	23461	CGGTTGGACA	CGCAGAGCCT	GCTGGCCACG	TACGCAATT	CGTCTACGCT	GTTGCTGGCG
	23521	CGGGCCGTGT	ACGCCGCGGT	GGGCGCGGGT	ACCTCGCGCT	ACGAGCGCAG	GCTGGATGCG
	23581	GCCCGTCGCC	TGGCGGGCGC	CCGTATGGCG	ATGCCACACG	CCACGCTAAT	CGCCGGAAAC
50	23641	GTCTGCGCGT	GGCTGTTGCA	GATCACAGTC	CTGCTGCTGG	CCCACCGCAT	CAGCCAGCTG
	23701	GCCCACCTTA	TCTACGTCT	GCACCTTGC	TGCTCGTGT	ATCTCGCGC	CCATTGTTGC
	23761	ACCAGGGGGG	TCCTGAGCGG	GACGTACCTG	CGTCAGGTT	ACGGCCTGAT	TGACCCGGCG
	23821	CCGACGCACC	ATCGTATCGT	CGGTCCGGT	CGGGCAGTAA	TGACAAACGC	CTTATTACTG
	23881	GGCACCCCTCC	TGTGCACGGC	CGCCGCCGCG	GTCTCGTTGA	ACACGATCGC	CGCCCTGAAC
55	23941	TTCAACTTT	CCGCCCCGAG	CATGCTCATC	TGCTGACGA	CGCTGTTCGC	CCTGCTTGT
	24001	GTGTCGCTGT	TGTTGGTGGT	CGAGGGGGTG	CTGTTGCACT	ACGTGCGCGT	GTTGGTGGGC
	24061	CCCCACCTCG	GGGCCATCGC	CGCCACCGGGC	ATCGTCCGGCC	TGGCCTCGGA	GCACATACAC
	24121	ACCGGTGGTT	ACTACGTGGT	GGAGCAGCAG	TGGCCGGGGG	CCCAGACGGG	AGTCCCGCGTC
	24181	GCCCTGGCGC	TCGTCGCCGC	CTTGCCCTC	GCCATGGCG	TGCTTCGGTG	CACGCGCGCC
	24241	TACCTGTATC	ACCGGGACAA	CCACACTAAA	TTTTCTGTG	GCATGCGCGA	CACCGGGCAC

	24301	CGCGCCCAT	CGGCGCTTCG	ACGCGTACGC	AGCTCCATGC	GCGGTTCTAG	GCGTGGCGGG
	24361	CCGCCCGGAG	ACCCGGGCTA	CGCGGAAACC	CCCTACGCGA	GCGTGTCCA	CCACGCCGAG
	24421	ATCGACCGGT	ATGGGGATT	CGACGGGGAC	CCGATCTACG	ACGAAGTGGC	CCCCGACCAC
	24481	GAGGCCGAGC	TCTACGCCCG	AGTGCAACGC	CCCGGGCCTG	TGCCCAGCGC	CGAGCCCAT
5	24541	TACGACACCG	TGGAGGGGTA	TGCGCCAAGG	TCCGGGGGG	AGCCGGTGT	CAGCACCGTT
	24601	CGGCGATGGT	AGCCGTTTCG	TTCGTTTTAA	TAAACCGACG	TTGTGCGTTT	CACCATACTT
	24661	CGGCGCGCGT	GTGTGTGTGT	TTTTTTTTTT	GTGGTGTGTTA	TTTTCCCCCC	ACCCCTTCCT
	24721	TTCTTTCGG	CCACCACCCC	CCTCCTCCCC	CGTACTATAC	AACAAAAAAT	ACCACACATA
	24781	CGACCAAATA	CGGACAATCA	TTTCTGTCTT	TATTCGCTAT	CAGAGAGTGG	GGCGTGTGAGC
10	24841	GTGGCAGGAG	GGCGGGCCAC	GTCGGGGTCC	CGCCGTCTGG	TGTGACGCGA	TGGGGGGTCC
	24901	GATGCGCGCC	GGTACTGGGG	CCCCGGCGCC	CGGGTGACCA	CGCGCACGTC	GGGGGGCAGC
	24961	TAGAAGTTAC	CCTCTTCTTC	GGACTCGATG	TCCACGACGT	CAAATTGCGT	GGCGGTCA
	25021	GAGACGACCT	CCCCGCCGTC	GGTGGGTGATG	ACGTTGTGTC	GGCAGCAGCA	GGGCCGCGCC
15	25081	CCGGAGAACG	CGAGGCCCAT	AACTTGGCGA	GCGTATCGTC	GAAGGCCAGG	CGGCTGTTTC
	25141	GCCGGATGTC	CCGGTAGATC	CCCGGCTCGA	CGCGGACGGG	GGTGATGATC	AGGGCGATCG
	25201	GAACGGCCTG	GTCCGGGAGG	ATCGATGCCT	TGGCGGGTCC	GGGGGCCCG	CCAGGCCCGG
	25261	CGGGCGCTCC	GCAGGCCGTCC	TOCAGGCGGA	ACGTCACGCC	CTCCCTCCGCG	CCCGCGCGGT
	25321	GCCTGCCGAG	GAACGTCACC	AGGTGCGGTT	GCAGGGGGCA	GTCGGGAAAG	TGGCTGTCGA
	25381	GGACGTATCC	CTGCACCAAG	ATCTGTTGA	AGTTCTGGTG	GCGGGGGTTG	GCGAAGATGG
20	25441	GCTCGCGGCG	AACCAGCTCC	CCGGAGCTCC	AGGCCACGGG	AGAGATGGTG	CGACGCTCAA
	25501	GGTCGGGGAC	GCCAAACAGA	AGCACCTCCG	AGACAAACGCC	GCTATTAAAC	TCCACCAGCG
	25561	CCCGATCCGG	GGCGGAGCAT	CGCCTTTTTT	CGCCGGCGGC	GCGGGAATCG	AGCCAGTCCC
	25621	GGTCCTGGGT	GACGAGCGCC	TOCTCCGGGC	CCGGAACGCG	CCCGGGCGCG	AAGTAGCGCA
	25681	CGCCGGGGTT	GGGGATGGAC	CGGATGAACG	CCCGGAACGC	CTCCGGCGAT	CGCCGCGCCA
25	25741	TCAGGTCCCTC	GTACCGGGAG	GOCGCGGGGG	CGCCGGGGTC	CGCGGGGTG	AACCGTACT
	25801	TGGCTCGGCA	CTTAACCTCG	TAGAAGGCCA	GGGGGGTCTG	GGGGGGCGGG	GCCAGGTAGC
	25861	CGTGAGGGTC	CCTGGGGCAC	ACGAGGATGT	CCAGGGACGC	CCCCACCATG	CCCGTGTGGC
	25921	CGTCATGAG	GACCCCGCAC	GCGTGCACGT	TCTCTCGGC	GAGGTCCCCG	GGTTGGTGAA
	25981	AGACGAAGCG	CCCGGCGTCG	GCGTCGTCTG	TGACGCCCGC	GTCCGCGCG	CCACGCGAGT
30	26041	AGCGAAACAG	CAGGTTTCGG	GCCGTCGGCT	CGTTCACCCG	CCCGAACATC	ACCGCCGAGC
	26101	ACTGGGCGTC	CAGCCGCGAG	CTGGCGTTGT	GGGTGAGGCCA	CTGGGACGAG	AAGCACGGAC
	26161	CCTGCGCGCC	CCACCGCAGC	GTGGAGGCCG	TCGTCAGGCC	CCGCCGAAGC	AGGGCCCAGA
	26221	GCTGGCAGTC	GGCCTGGTT	TGCGTCGCCG	CCTCGTAAAA	TCCCATAAGC	GGCGGGGGGG
	26281	CGACGGCTTC	GGCGGGCGAC	GGGGGGGCCG	GGCGCGTCAG	GCGCCAGAGG	TGCCGGCCGA
35	26341	GCCCGCGGTC	CACCATGCCG	GCCGCCTCCA	GCGACACGAC	GAGGGAGCAC	AGATAGTCCA
	26401	GGCGAGCCCA	CAGGGGCCCG	ATGGCCAGAG	GGGAGCGGCAC	GCCGCGCAGC	AGGCCGCGCA
	26461	GGTGGCGCTC	GAACGTTTCC	GCCAAGATAT	GGGGGGGCAG	TGCCTTGGGG	ATCGCCGAGC
	26521	CCGACCCACAT	CGGGTCCGGG	TCCGGGGGAC	CGGGGCTGCA	GTCCGGGTG	ATGGCGTGTG
	26581	CGCCCCCCCG	CGAGAGGGGA	ATGTCTGGGG	TTGGCGGGCC	GGATGAGGCC	TCAGAGAGGG
40	26641	CGGGGGACGC	GGGCCGGGCC	TTTCGCCCCG	GGGCCCGGCC	GTCGGGTTG	CCACGTGGGG
	26701	GGCTCTGGGG	CCAATGGGAA	CCCGGGGCC	CCGGTGACGT	GGGGCGGGGT	GGGGCGGGGC
	26761	GGGGCCCAA	GACGGTCGCC	AGATCTAGGC	TGTTGGGTG	GGGCGCCTTC	GGGGGACTAT
	26821	CGGGGTGCGC	GGCGGGGTCC	GCGGGGCGCT	TGGGCCGGG	TGTTGCGGCG	GCCGCCATT
	26881	TTACGAGCAG	CCGAAGAGCT	CGAGGGCGGA	AGGGATCC	ACGACAGAGA	GTGGCGCGC
45	26941	GCCGGGTTGG	CGTGACAGAG	GGGGGAGACC	AGCACCA	GCGGCCTCAG	CTCGGGCGGC
	27001	AGCGACACCG	ACGACAGGAC	GGCCTTGTG	GTGCGCTG	AATTATACA	CTGCTCCGTG
	27061	AACCGCGCGC	GAATCTGGG	ATTGCGAAGG	TGGGCCGGA	TGCCCTCCGG	CACGTACATAC
	27121	GCCAGGCCGT	GGGTGTTGGT	CTCGGCCGAG	TTGACAAAGA	GGCGGGGTG	CAGAACGCA
	27181	CGATAGGCGA	GGAGGGCCAC	GGCAAAGTCC	GGCGAGAGCT	GGTTGTTAAA	GTACTGGTAG
50	27241	CCCAGGGACGC	GGGTACCGGG	GACGCCAGG	CTCGGGGCCA	CGTACACGCT	AACCAGCAGC
	27301	TCCAGCAGCG	TCTGCCAG	GGCGTAGAGA	TCGACCGCCA	GCCCGACGTC	GTGCTTCAGG
	27361	GGGCGGTTGT	TAAACTCGGC	CCGCTCGTTG	TTGAGGTACT	TTACCGAGAG	CTCCGGTGGC
	27421	TGGTTGTACC	CGTGCCAC	CAGAGTGTGA	AAGTGGCCG	TGGTCAGGGC	GGCGGGCATC
	27481	CCAAACCCCC	GGGGGGACTC	GAGGTCCGGC	TCCTGGAGGC	AAAACGGCC	CCGGGATATC
55	27541	GTGGAGTTGG	AGTTCAAGG	CACCAAGGCTA	AAGTCGGCCA	GGACGGCCGG	CCGGAGCGAC
	27601	ACCGCGTCCG	ATCGCAGCAT	CACGAGGACG	TTGGCGCA	TGATGTCAG	GTGGCTGATC
	27661	CCGACACCTGG	TGTTCAAGGAA	CACCAACGGCG	CGCGCCAGGT	CTGTGAAGCA	GTGGTGGAGG
	27721	GCCGTGCGCA	CGGAGGGGGT	GGTCGCGCGC	AGGGACGCCA	GCTGGCCGAT	GTACTTGCCG
	27781	AGGTCCATGT	CGTACGCGGG	GAACACGATC	TGGCGCTG	GCAGCGAGAA	CCCGAGCGGG

	27841	GTGATAAAGC	CGCGGATGTC	GTGGGTGCGG	CCGCCCGAA	GAGCGCACTC	CCCCACGAGC
	27901	AGGGTCGCGA	CGAGCTCCAC	GGCAAACAC	TCTTTTCCC	GGATGGTCTT	CACGGCGAGC
	27961	TTGTGTTCGC	GAATCAACTG	CACCTCGCCG	TACCCCCCG	AGCCCCCGAA	GCTGCGGGCC
	28021	CCGGGGATCT	CCAGGGTCGT	GTAGCGGAGG	GCGGGGTTGA	CGCGAATAC	GGGGATGCAT
5	28081	AGCTTGTGGA	TGCGCGCGAG	GGACAGGATG	TGCGAGGGGG	GCGACGGGGG	CGAGGTCATG
	28141	GCCGCTCGG	ACCTGCGCAG	GGGCAGGGCGC	CTTAGCTTGG	CCGCAGGGCC	GGGGGCCTCG
	28201	GGGGACGAGC	GGCGACGAGA	CGAGCGGCTC	ACTCGCCATC	GGGACAGTCC	CGCGCGAAGC
	28261	CGCTCCCGGA	AGCTGGATCG	GGGGCGGGGAC	CCGGGGCGGG	CTCCGGAGAC	GGCGCGTCT
	28321	CGGGGGGAGG	GGCCGCTTGG	GGGTCCGGAC	GCCCCGGCGC	TGAGGGAGTG	TATGTAGGAC
10	28381	GCGAGCCAGG	CCTTGAAGGA	GGGTGGTGT	GCACCTTGGG	GGCTGATGTC	AGCTGCCACA
	28441	TGACTAGCAG	GTCGCTGTCG	CCCGGACTCA	TCCATCCGTC	CGCCAGGTGCG	CCGTCCTCCCC
	28501	ACAGAGACGC	GTTCGCGCG	GCCTCTTCGA	GCTGCTCCTC	CTGGTCCGCA	AGACGATCGT
	28561	CCGCCGCGTC	CAGGCCTCG	CTAACGCGGG	GATCGAGGTA	CCGTCGGTGT	GCGGTTAGAA
	28621	AATCACGTG	CGCCGCTTGC	TCTTCCACCG	GAATTAAAC	ACAGGTCGCT	CGCTGTCGCA
15	28681	TCATCTCTAA	CGCGCGCGG	GACTTTAGCC	GCGCCTCCAA	TTCCAAGTGG	GCCGCCTTGG
	28741	CGGCCATAAA	GGCGCCAACA	AACCTAGGAT	CTTGTGTACT	CACGCCCTCC	CGGTGTAGCT
	28801	GCAGGGTCTG	GTCCCTGTAC	ACCTCGGCC	GGAGGGTGCCT	CTCGGCCAAA	CGTCGGCGCA
	28861	GGGCCGCGTG	GCTGGCGTCT	CGGCTCATCT	CGCCGCCCCC	GCGCGCGCCC	GACGTCGGAC
	28921	TCCTCGCCC	CGACCCCCCT	GACCTCAGCC	GCCCCCGCCT	CGCCCGCGAT	GTTTGGCCAG
20	28981	CAGCTGGCGT	CCGACGTGCA	GCAGTACCTG	GAGGCCCTGG	AGAAACAGAG	GCAACAGAAG
	29041	GTGGGCGTCG	ACGAGGGCGTC	GGCGGGCCTG	ACGCTCGGCG	GCGATGCGCT	GCCGCTCCCT
	29101	TTTTTGGATT	TTGCCACCGC	GACGCCAAAG	CGCCACCAGA	CCGTGGTCCC	GGGGCGTCGGG
	29161	ACGCTCCACG	ACTGCTGCGA	GCACTCGCCG	CTCTTCTCCTG	CCGTCGCGCG	GCGGTTGCTG
	29221	TTAAATAGCC	TGGTGCCGGC	GCAACTCAGG	GGGCGTGA	TTGGGGGCGA	CCACACGGCC
25	29281	AAGCTGGAGT	TCCTGGCCCC	CGAGCTGGTG	CGGGCGGTGG	CGCGCCTGCG	GTTTCGGGAG
	29341	TGCGCGCCGG	AGGACGCCGT	GCCCCAACCGC	AAACGCCACT	ACAGCGTCCT	GAACACGTTT
	29401	CAGGCCCTGC	ACCGCTCCGA	AGCCTTTCGG	CAGTTGGTTC	ACTTCGTGCG	GGACTTCGCC
	29461	CAGTTGTTGA	AAACCTCGTT	CGGGGCCTCT	AGTCTCGCGG	AGACTACGGG	CCCCCCGAAG
	29521	AAACGGGCCA	AGGTGGACGT	GGCCACCCAC	GGGCAGACGT	ACGGCACCTT	GGAGCTCTTC
30	29581	CAGAAAATGA	TACTAATGCA	CGCGACCTAC	TTTCTGGCCG	CCGTGCTGCT	CGGGGACACAC
	29641	GCGGAGCAGG	TCAACACGTT	CCTGCGGCTC	GTGTTGAGA	TCCCCCTGTT	TAGGCACACG
	29701	GCCGTGCGGC	ACTTCCGCCA	GCGCGCCACC	GTGTTTCTAG	TCCCCAGGCG	CCACGGAAAG
	29761	ACCTGGTTTT	TGGTGCCCC	CATCGCGCTG	TCGCTCGCGT	CCTTCCGGGG	GATCAAGATA
	29821	GGCTACACGG	CCCACATCCG	CAAGGCGACC	GAGCCC GTGT	TTGATGAGAT	CGACGCCTGC
35	29881	CTGCGGGGCT	GGTTTGGCTC	GTCCCCGGGTG	GACCACGTCA	AGGGGAAAC	CATCTCGTC
	29941	TCGTTCCCGG	ACGGCTCGCG	CAGCACGATC	GTGTTTGCCT	CCAGCCACAA	CACGAACTGA
	30001	AGTACGCCTT	CCTCCCGCGG	TGCGCTTTTC	CCCGGGTGCCT	CCCTCCCCGA	GATGACCGA
	30061	CAGACAAACA	CAGCCAGACG	CGAGTGTGGG	ACGACACGCC	CGCAGCCCCC	CCCCCGCCAT
	30121	GGCGGGGGGG	AAGCTTACT	GTTTATTTGT	AATCGGACGA	TGAGGCTCTG	GCCACGGCCC
40	30181	GCGCGACCGC	GGGGCAGCTC	GTGCAAACA	GGCGGCTGGT	ATACGATGAC	AGAACGCAGA
	30241	GGCGCCACCC	GGCGCTGGTC	GGGCGGATGA	CGCTTTCGC	GCCGTCCTCGG	CCCACGACGA
	30301	CCTCGTGCAG	GTGGGCGTGT	ATGCGGGGGC	GGCGGGTCGC	CTGCCGCA	ATAACCGCGT
	30361	CCACGGGGTG	CCCAGGAGG	AGCTGACACA	GGCTCGCGTC	CCCCCGGACG	GCCAGGGTGC
	30421	GCTGGGCCAT	ATTGGACAC	ATGCACGGGG	CGACCGAGGG	ACAGGCCTCC	GCCACGGCGG
45	30481	GGGCGCGCCA	CAGCGCGTTG	GGGAATCGA	TGTGGGCCGT	CGGGGCGCAG	GCGCCGCTC
	30541	CTCCGGGGGG	GTCGGTAATC	CTGGATAGCA	GCCATCCTAA	ATGGCGGGCC	CGGCTGCCCG
	30601	GGGGACAGAG	CGACCCCAGG	TCATCATCCA	TGGCCCAGCA	GTATATGCGG	CCGCCGGGGGA
	30661	GGTGCCACCA	GGCCCCCGGA	CCCAAGGGCAC	AGCACGCC	GGATTGGGG	GCCGTGTCGG
	30721	TGGGTACCA	GTAGGCGCCG	TCGAGCTCGT	GGGCCACGGG	CTCGTCCCG	AGCTGTTTCGG
50	30781	CGGCGGGGTC	GGGGGTTTCC	TCCGGGGGGG	AGGCAGCTTC	CAGGTGGCCG	AAGGCTAGGG
	30841	TGCACAGCAG	CGGGGTCGG	GGGTGCGTTA	CGCTGCGGGAG	GTGGACGGTG	GCGCAGTAGC
	30901	GGCGCTCGCG	GTAAAGAAG	AAAATGGCAA	AGAACGTGTT	CGAAGGCAGG	CGCAGCGCCT
	30961	TGGGCCGCGT	CAGGTACAGG	AAGATCTCGC	AGAAAAGGGC	ACGCTCGGGG	TGGGGTCCG
	31021	GAAGGGCCAC	CTGGCACAGC	GGCTCGGTGA	GGACCGTGAG	GCACCGAAAA	ATCTTAAGCC
55	31081	GCTCGTCCCC	CCGAACGACG	CGCCACACGA	AGACAGAGTT	GGCGATGCGC	GCGACGAGGT
	31141	CGGCTTCGGG	CCCCGGTCTG	GGGGCGCGCG	CGTCGGGGGG	GGCGCCCCGG	TGACCCGGCG
	31201	GGGCCGCGGC	TCCCGGGGGG	CCTGGCGTCG	CCTGGGGACG	CCAGAGTGCC	CGCTGTCGCA
	31261	GGTTGGTGGT	GGGGAAGGGG	CCGGAGACGC	ACCAAAAGCA	GAGGGGCCAG	CGCGTGTATG
	31321	AGTTGGGGGG	GGGGTGGGTG	AGCGGTGGAA	CAAAAGCACG	CGTCAGCGGA	CAAGGCCGGG

	31381	TCCCGTAGCC	GCCCCGCGAC	AGAACCGGAG	TCCGACGGCA	CGCGCGACGG	GGTCTGCGAG
	31441	GCTGAGGTAC	GCGCGGGTGT	TAATGGTAAA	CGCAAAGCCT	CCCGGAAAGA	CCACTAGCCC
	31501	GCAGAGGCGG	CGATTGAACC	CAAGGCAGAG	GTACCGTAG	CTCTCTCCG	GAAGGTATTG
	31561	CTCGCAGACC	CTGTGTGGGG	CAGTGGAGGG	GCTGCCCTCC	ATGAAGCGAC	ATTACTCTG
5	31621	CTCGCGTCCA	TTGACGTCAC	CGTCAATCAC	CACTGCGATT	GGACGGTTGG	TGAGGCGCAG
	31681	CGTGTCTCCG	CTGGTGTGT	AGTAGTCAAA	CGCGTAGTGG	CGCTCGGAGT	CGGCGAAGCC
	31741	GGCGGGGATG	TCGTCGTGA	GAGGGACGAG	CCGCCGCCGC	CGCCCCCGAC	CGCCCTGGCC
	31801	GCCCAGATGC	GCCAGCACGG	CCAGGGCGTA	CGCGGTGTGA	AAGAACCGT	CGGGGGCGGT
	31861	CCCCTCGAGG	GCGCGCATCA	GGTTCTCCAG	GAGCACGGGG	AAGGCCCGC	TCACCTCCCC
10	31921	TAGCCACTCG	CTCTGGTGGG	GGCCAAAGTC	GTAGCGCAGG	CGCTGGAAGA	TGCGCGGGCC
	31981	GCCTTGGAGC	GCGGCCCGGA	TAGAGTGGCC	CAGGGCCCGC	AGACACGCGA	TCTGGATGCC
	32041	CGCGACGAAG	GCCACCTCGG	CCGCGATGTC	AAAGGGCTGC	AGCACGGGGC	CGGGGTGGCC
	32101	CAGGGGTCCC	TCGAGCGCGG	GAAAGCGACG	CAGCAGCGCC	GTCTGGGCCG	CGGGGGACAG
15	32161	CTGGTGGGGG	CGCACGACGC	GCTCGCGGGC	ACAGGGCTCC	GTCAAGGGCCG	TGGCCAGCTC
	32221	GGAGGACACGC	CGCGGGGGGC	GGGCGCGTCG	CCCGCCAAC	GCCACCGAAT	TCTCGTAGGA
	32281	GACGACGACG	AAGCGCTGCT	TGGTCCCGTA	GTGATGGCGC	AGGACACCGG	AGATGGAGCC
	32341	ACGGCTCCAC	AGCCAGTCGG	GCCGCTCGCC	GCCGCCAGA	GCTTCCCACC	CGCGGTCCAG
	32401	CCACTCGACC	AGCGATCGCG	GCTTGGCGGT	CCCCGGCACG	AGGGTGAGCA	CGTCGTTGAG
20	32461	GACGTCTCG	CCCGCGGCC	GGGGGCCCCC	CCGGCTGGCA	AAGGCCCCCC	CGCCGGGGCGG
	32521	CTCCAGGCC	GCCAGCACCG	CCTCCCGCGTC	CGACCGCGCC	AGGGCTCCCC	CGCTGACGGC
	32581	CTGGTGGACC	AGGGCCCGCT	GGCGGAGCCC	CGAGGCGACG	CGGGAGGGCCG	CGTGTCTGGG
	32641	GCGCGCGCGG	ACCGGGTGGC	GGCGGGTGCAC	GTCCTGACG	GCCCCTGGA	CCAGCGCGAG
	32701	GATCTCCTCG	TTCTCTTGC	TGATGGACAC	GTCCTCCGCG	GTGGCCGTGT	CGCCTCCCGG
	32761	GGCCGTGAGC	TGCTCCTCCG	GGGAGATGGG	GGGGTCTGGG	GTGCCGACAA	CGGCCGGGCC
25	32821	GGCCCCGCC	GAGACCGAGG	ACGCCCTGGG	AGTGGGGGTG	CCGCTTCCC	CCATCCCCAG
	32881	GGACAGGTGG	GCCGCCGCCT	CCGTCGCGGC	GGCGGGAGCC	GCGGCCCGCA	GCCGCGCGAC
	32941	GTAGCGACAA	AAGTGGCGAC	AGAGGCGCAT	GAGGCGCGCG	CCGTCGGCCG	CGTATCGCGT
	33001	GTGGCGGGG	ACGAGCTCGT	CGTAACGTAA	CAGGAGCACG	CGGGCACAGG	TCGCCCACGG
	33061	GCCCCACGCC	AGGCGCAGCG	CCGCGACCGT	GTACGGGTG	TACACGCTT	GGCGTCGCA
30	33121	CGCGACCGGC	AGGGAGACGA	ACAGCCCGCC	CGCGCTGGG	ACGCGCGCA	GGAGGTCCGG
	33181	GTGCGCCGGG	ATGACGGGG	CTAGGATCGC	CCCCACCGCA	TCCGCCGCA	CGTAGGCGGC
	33241	AAACGCCGAA	CGCCACGGGG	TGCACTCGCC	GGTCGCGTGG	GCCCCGGTCT	GGGTTTCGAC
	33301	CCGGAAGGTT	GCGGCCGCC	CACCGTCGGG	GCGGCCGCGC	ACGAGGGCGG	ACAGCGGGAC
	33361	CCCCGCCGCC	GCCAGGCACT	CGCTGGAGAT	GATGACGTGA	ATCAGCGAGG	CGGGGCTGCT
35	33421	CGGGTCCC	GTGAGATCGT	ATTGGACCTC	GTTGGCAAAG	TGCGCGTTCA	TGGCCCGGCC
	33481	GGCGGTGCGA	GCCCTTCCC	GTGCCGGAAG	GGGCGTGGGT	GGGGGGTGC	TGTGCGCGTC
	33541	CTCGGGGCC	GCGGGCGCAC	GTGCGCTTAT	ACGCTGTGT	TTTCGTCGT	CCCCAGGGAA
	33601	TCCGGGGCCA	GGACTTTAAC	CTGCTTTTCG	TCGACGAGGC	CAACTTTATT	CGCCCGGATG
	33661	CGGTCCAGAC	GATTATGGG	TTTCTCAATC	AGGCCAACTG	CAAGATCATC	TTCTGTCGT
40	33721	CGACAAACAC	CGGGAAAGGCC	AGCACGAGCT	TTTTGTACAA	CCTCCCGGGG	GCCGCCGACG
	33781	AGCTGCTCAA	CGTGGTCACC	TATATATGCG	ACGACCACT	GCCCGGGGTG	GTGACGCACA
	33841	CCAACGCCAC	GGCCTGTTCC	TGCTATATCC	TGAACAAACC	CGTGTTCATC	ACGATGGACG
	33901	GCGCGTTCG	CCGGACGGCC	GATCTGTTTC	TGCCCCACTC	CTTCATGCG	GAGATCATCG
	33961	GGGGCAGGC	CCGCGAGACC	GGCGACGACC	GGCCCCGTCT	AACAAAGTCG	GCGGGGGAGC
45	34021	GGTTCTGCT	GTACCGCCCC	TCCACCA	CCAACAGCGG	CCTGATGGCC	CCCGAGCTGT
	34081	ACGTGTACGT	GGACCCGGCG	TTCACGGCCA	ACACCGCGC	CTCCGGCACC	GGCATCGCG
	34141	TCGTCGGGAG	GTACCGCGAC	GATTTCA	TCTTCGCCCT	GGAGCACTTT	TTCTCTCGCG
	34201	CGCTCACGGG	ATCGGCCCC	GCGGACATCG	CCCGCTCGGT	CGTGCACAGC	CTCGCCCCAGG
	34261	TGCTGGCGCT	GCACCCGGG	GCGTTTCGCA	GGCGTTCGGT	GGCGGTGAG	GGCAACAGCA
50	34321	GCCAGGACTC	GGCCGTGGCC	ATCGCCACAC	ACGTGCATAC	CGAGATGCAC	CGCATCCTGG
	34381	CCTCGGCGGG	GGCCAACGGC	CCGGGGCCCG	AGCTCCTCTT	CTATCACTGC	GAGCCGCCCG
	34441	GCGCGCGGT	ATTGTACCCC	TTCTTCTGC	TCAACAAACA	GAAGACGCC	GCCTTCGAAT
	34501	ACTTTATCAA	AAAGTTCAAC	TCCGGGGGCG	TCATGGCGTC	CCAGGAGCTC	GTCTCCGTGA
	34561	CGGTGCGCCT	CGACAGCGAC	CCGGTCGAGT	ATCTGTCCGA	GCAGCTAAC	AACCTCATCG
55	34621	AAACCGTCTC	TCCCAACACC	GACGTCCGCA	TGTACTCCGG	AAAACGCAAC	GGTGCAGCGG
	34681	ACGACCTCAT	GGTCGCGGTC	ATCATGGCCA	TTTACCTGGC	GGCCCCGAC	GGGATCCCCC
	34741	CGGCCTTTT	TCCGATCACG	CGCACGTCTT	GAGTCTTCT	TGCCGTTTCT	TTTGTCTC
	34801	TTTCTTCCC	CCCCTCTCTC	CGCAATAAAC	GCCTTCCC	AACTGTGTTT	CCCCCCCTAC
	34861	AACAGTGTG	TCCGTTGGTT	GGGTGGTTGG	GGTGCAGGGGG	TGGGCGGGGG	AAGCAAGAAA

	34921	ACGGTCGGCG	AACACAACAT	CGGGAAAACG	GATTCCCGCA	CGTGCCTCTT	CCCAGATTG
	34981	ACACACACAC	CCCCCTTCTC	CTTAAATAAA	CACAAACCAC	ACGCTCGTT	GTTGGTTAAT
	35041	GCCAGCGCTT	TATTTACGTC	TTGTTTTTTT	TGCGTTTCCT	CCGGGGGTCC	CTTCCAACAA
	35101	CGCCTGCCCG	CGCCTCAGGG	GTAGCGGATA	ACCGGGGCCA	TGTCGCCGGA	TTGCACAACG
5	35161	GCGGCGCCGT	CGAACGTACA	CACCCGAACC	GCCGGGGCCA	GGGCCAGGAT	GTCCCCGAGT
	35221	TGGCCCGCGT	GCGCCAGCCA	GGCGACCAGC	GCCTCGTAAA	GCGGCAGCCT	GCGTCGCCG
	35281	TCCTGCATCA	GCATGGGGC	TTCGGGGTGG	ATGAGCTGGG	CGGCTTCTCG	CGTGACGCTC
	35341	TGCATCTGCA	GGAGCGCGTT	CACGTATCCG	TCCTGGGC	TCAGCGCGAG	CAGCCGGGGG
	35401	ATGAGCGTGA	GGATGAGGGT	GGTCTCTCG	GTTATGGAGT	AGACCATGTT	GAGGACGAGC
10	35461	GACCGCAGCT	CGGTGTTAC	GGAGGCAGT	TGCTGGACGT	CGGCCACGAG	CGAGAGACGG
	35521	GCCCCGTTGT	AATACAGCAC	GTGAGGTGCG	GGGAGCTCCC	CGGGCGTCCG	GGGGTCGGGG
	35581	TTGAGGTCCC	GGATGCCCG	GGCGACCAGC	CGCGCGACTA	TCTCGCGGGC	CAGGGCGTT
	35641	GGGAGCGGGA	CCGGAAACCG	CAGCGTGAGG	TCCAGCGACT	CCAGGCGCAC	GTCCGTCGCC
	35701	TGGCCCTCGA	AGACGGCGG	GACGAGGCTG	ACGGGATCCC	CGTTGCAGAG	GTGACGGGG
15	35761	GAGGTGTTGC	GGAGATTGAC	GGTGCCGGCG	TGCGTGAGCC	CCAGGTCCAC	GGGGCAGGCG
	35821	ACGATTGCGG	TGGGCAGCAC	CCCGCGTGATT	ACCGGGGGGA	AGCGCCTGCG	GTACGCCAGC
	35881	AACAACCCCA	ACGTGTCGGG	ACTAACTCCT	CCGGAGACGA	ACGATTCTG	CGGCCACGTCC
	35941	GCGAGCGCCA	GCTGGCGCG	GATGGTCGGC	AGAAAAGACCA	CTCGACCCCTC	GCACCGCTGC
	36001	AGCGCCGCGG	CATCGGGCG	CGAGATACCC	GAGGGGATCG	CGATGTCCTG	TTCGAAACAA
20	36061	TCCGTGATCA	TGGGCCGGG	CCGCGAGACA	CCGGAACGCG	GGGGTGCAGG	AGGGCCGGAA
	36121	AGCGCAACGC	AACCGGGACG	ATGATGAAAC	AGAGATGGGG	GGCACCGACC	GTGTGGGAGA
	36181	GGGGGGCGGGG	CAGGGCTCAG	CAGCACGCA	GGGGAGGTCT	GTCGTGCGCA	GGAGCCCGAG
	36241	GTGAGAATCA	GTCCCCCGGA	GCTCGGGTCT	GGGTTTTATT	GGGACCTGCC	CTCGGAATCG
	36301	CGGCTCCCAG	TCCAAGCCCC	CCTGGGGGGG	CGGGGGACAG	GGGGTGTGTG	TGGGTAAAAG
25	36361	CAACGTCGGA	AAATCAAACC	CAATGCCCA	AAACAGGAAAA	AAAAAGACGG	GCGGGTGGAG
	36421	GGAAAAGCTGG	GGAAGAAGAA	GCAATTCTTA	CAGAGACAGG	CCCTTTAGCG	GGGAGGCGTC
	36481	GTAGATGAGA	TACTGCGTAA	AGTGGGTCTC	TCGCGCGTGG	GCCTCCCCAT	CGCGGGCGCT
	36541	GCGTAGCAGG	GCGGGGTCGC	TGGCGCAGGT	GATCGGGTAG	GCTTCCTGAA	ACAGGCCGCA
	36601	CGGGTCTTCC	ACGAGCTCGC	GGCACCCCCGG	CGGGCGCTTA	AACTGCACGT	CGCTGGCAGC
30	36661	GGTGGCCGTG	GATAACGCCG	ATCCCGTTTC	CACGATGAGA	CGCTCCAGGC	AGCGATGTT
	36721	GGCCCGTGTG	TCGGCCCGG	TGAAGAACTT	GAAGCAGGGG	CTGAGGACGG	GCGAGGCC
	36781	GTTGAGGTGA	TAGGCCCGT	TGTACAGCAG	GTCCCCGTAC	GAGAACCGCT	GCGACGCCA
	36841	CGGGTTGGCC	GTGGCCCGGA	AGGGCCGCGC	CGGGTCGCTC	TGGCCGTGGT	CGTACATGAG
	36901	GGCTATGACG	TCCCCCTCCT	TGTCCCCCGC	GTACACGCCG	CGGGCCGCGC	GTCCCCCGGG
35	36961	GTTGCAGGGC	CGGCGAAAGT	AGTTGATGTC	CGTGGCCACG	GGGGTGGCGA	TGAACTCACA
	37021	CACGGCATCC	TGCCCCTGGT	CCATGCCGGC	GCGCCGCGGC	ACCTGGCGC	AGCCAAAGAC
	37081	CGGGAGGGC	TGGGCCGGC	CCAGCCGGTT	TCCCGCCACG	ACCGCGTTGC	GCAGGTACAC
	37141	GGCGGCCGCG	TTGTCTAGCA	GCGGGGGGGG	CCCGCGGCCG	AGGTAAAAGT	TTTGGGGAG
	37201	GTTGCCATG	TCCGTAAACGG	GGTTGCGGAC	GGTGCCGTG	GCCGCGACGG	CGGTGTAGCC
40	37261	CACACCCAGG	TCCACGTTTC	CGCGCGGCTG	GGTGAGCGTG	AAAGTTGACCC	CCCCGCCCGT
	37321	TTCGTGGCGG	GCCACCTTGA	GCTGGCCCGAG	AAAGTACGCC	TCCGACGCGC	GCTCGGAAAA
	37381	CAGCACGTT	TCGGTCACGA	AGCGGTCTG	CCGCACGACG	GTGAACCCGA	ACCCGGGGTG
	37441	GAGGCCCGTC	TTGAGCTGGT	GATACAGGGC	CACGGGGCTC	ATCTTGAAGT	ACCCCGCCAT
	37501	GAGCGCGTAG	GTCAGCGCT	TCTCCCCCGC	CGCGCTCTCG	CGGGCGTGT	GCACACAGGG
45	37561	CTGGCGGATG	GAGGAGAAAGT	AGTTGGCCCC	CAGGCCGGG	GGGACCAAGG	GGACGTCGCG
	37621	CGCCAGGTG	CGCAGGGCCG	GGGGGAAGTT	GGGCGCGTTG	GCCACGTGGT	CGGCGCCCGC
	37681	AAACAGCGCG	TGGACGGGCA	GGACGTAGAA	GTATTGCGCA	TTTTGGATGG	TGTGGTCCAG
	37741	GTGCTGGGGG	GCCATGAGCA	GCACGCCGGC	GTGCAGCGCC	CCGTGAAAGA	TGCGCATGTT
	37801	GGCCGTCGAC	GCGGTGTTGG	CGCCCGCGTC	GGGCGCCGCG	GAGCACAGCA	GCGCCGTCGT
50	37861	GCGCTCGGCC	ATGTTGTGCG	CCAGCACCTG	CAGCGTGAAC	ATGGCGGGCC	CGTCGACGAC
	37921	GACGCGCCCG	TTGTGGAACA	TGCGCTTGAC	CGTGTGTTGGC	ACCAGATTGG	CGGGATGCA
	37981	CGGGTGGGGC	GGGTCGGTCA	CGGGATCGCT	CGGGCACTCC	TCACCGGGGG	CGATCTCCGG
	38041	GACCACCATG	TTCTGCAGCG	TGGCGTACAC	CGGGTCGAAG	CGGACCCCCG	CGGTGCAGCA
	38101	GCGCCCCCGC	GAGAAGGCCG	GCACCGACAC	GTAATAGTAG	ATTTTGTGGT	GGACGGTCCA
55	38161	GTCGGCCGGC	CGGTGCGGCC	GGTCGTCGGC	GGCGTCGGCC	GGCGGGGCCT	GGGTGTTGTG
	38221	CAGCAGCCGG	CCGTCGTTGC	GGTTAAAGTC	GGCCGTCGCC	ACGTTGCACG	CCGCCGCGTA
	38281	GACGGGCTCG	TGCCCCCCC	CGTCAATCCG	GCAGTCTCGG	TGGCGGTCCA	GGGCCGCGTG
	38341	TCGCATAAGG	CCGTCGAGT	CCACACGAG	GGGCGGCAGC	AGCGCCGGGT	CGCGCATCAG
	38401	GTGATTTCAGC	TCGGCCTGAG	CCTGCCGCC	CAGCTCCGGG	CCCAGCAGGG	TAAAGTCGTC

	38461	CACCAAGCTGG	GCCAGGGCCT	CGACGTGGGC	CACCAGGTCC	CGATACACGG	CCATGCACTC
	38521	CTCGGGGAGG	TCGCCCGGA	GGTAGGTCAC	GATGTACGAG	ACCAGCGAGT	AGTCGTTCAC
	38581	GAACGCCGCG	CATCGCGTGT	TGTTCCAGTA	GCTGGTGTATG	CACTGAGTCA	CGAGCCGCGC
	38641	CAGGGCGCAG	AACACGTGCT	CGTTGCCGTG	AATCGCGGCT	TGCAGCAGGT	AAAACACCGC
5	38701	CGGGTAGCTG	CGGTCCCTCGA	ACGCCCGCG	GACGGCGGCT	ATGGTAGCCG	GCGCCATGGC
	38761	GTGGCGGCCA	ACGCCGAGCT	CCAGGCCCCG	GGCGTCACGA	AACGCCACCG	GACACAGCGC
	38821	CAGGGGCAGG	TTGCCGTTGA	CCACGCGCCA	GGTGGCCTGG	ATCGCCCCG	GACC GGCGGG
	38881	GGGGACTTCG	CCGCCGGAA	GCTCGACGTC	GGCCACGCC	GCGAAGAAGT	CGAACGCGGG
10	38941	GTGCAGCTCC	AGAGCCAGGT	TGGCGTTGTC	GGGCTGCATG	AACTGCTCCG	CGGTCATCTG
	39001	GCACTCGGCG	ACCCACCGA	CCCAGGCCGTG	GGCGAGGCGC	TGCCGCCAGG	CGTTCA GAAA
	39061	ACGCTGCTGC	ATGTCCCGC	CGGGGCCGGC	CGGGGCCGGC	ACGTACGCC	CGTACGGATT
	39121	CGCGGCCTCG	ACGGGGTCGT	GGTCACGCC	CCCGACGCC	GCGTCGATGT	TCATGAGCGA
	39181	AGGATGACAC	ACGGTCCCAGA	CCCGCGTCTC	CATGGACAGC	CGCAGAACCT	GGTGGTCCTT
15	39241	TCCCCAAAAA	AACAGCTGCC	GGGGAGGGAA	CGCGCGGGC	TCCGGTGGC	CGGGGGCGGG
	39301	CACCAAGGTCC	CCGGCGTGCG	CGCGAAGCG	CTCCATGGCC	GGGTTGAACA	GCCCCAGGGG
	39361	CAGGACGAAC	GTCAGGTCCA	TGGCGCCAC	CAGGGGGTAG	GGCACGTTGG	TGGCGCGTA
	39421	GATGCGTCTC	TCCAGGGCCT	CCAGGAAGAC	CAGCCTGTCG	CCTATGGCCA	CCAGATCCGC
	39481	GCGCACGCGC	GTTGCTGGGG	GGGCGCTTTC	GAGTCATCC	AGCGTCTCCC	GGTTCGCCTC
20	39541	GAGTTGCTCC	TCCTGCATAT	CCAGCAGGTG	GCGGCCAC	TCGTCCAGGC	TCCGCACGGC
	39601	CTTGCCCATC	ACCAGGCCG	TGACGAGGTT	GGCCCCGTT	AAGACCATCT	CGCCGTAGGT
	39661	CACCGGCACG	TCGGCCTCGG	TGTCCTCCAC	CTTCAGGAAG	GACTGCAGGA	GGCGCTGTT
	39721	GATGGCGGCC	GTGGTGACCA	GCACCCCGTC	GACGGCCGC	CCCGCGGTGT	CGGC GTGCGT
	39781	CAGGGGGGGC	ACGGCCACGG	ACGGCTGCGT	CGCCGTGGTC	AGGTCCACGA	GCCAGGCCTC
25	39841	GATGGCCTCG	CGCGATGGC	CCGCCTTGCC	CAGGAAGAAG	CTCGTGTGCG	AAAAGCTCCG
	39901	CTTCAGCTCG	GCGACCAGGG	TCGCCCCGGG	AACCTGGTC	GCCAGGCGCC	CGTTGTCGAG
	39961	ATATCGTTGC	ATGGGCAACA	GCAGGGCCAG	GGGAGGCGCC	TTCTCCAACA	GCACGTGCA
	40021	CATCTGGTCG	GCGTGGCCGC	GCTCAAACGC	CCCCCAGGACG	GCCTGGACGT	TGCGCGCGAG
	40081	CTGCTGGATG	GCGCGCAGCT	GGCGATGCA	GCTAATGCC	GTCCCGTCCA	GGGCCTCCCC
30	40141	CGTGAGCAGG	GCAATGGCCT	CGGTGGCCAG	GCTGAAGGCG	GCGTTCAAGGG	CCCGGGCGTC
	40201	GATGACCTTC	GTCATGTAAT	TATGCACGGG	CTGCTCGACG	GGGTGCGGGC	CGTCGCGGGC
	40261	GATGAGGGGC	TGGTGGACCT	CGAACCTGAC	ACGCCCTTCG	TTCATGTAAG	CCAGCTCCGG
	40321	GAACTTGGTG	CACACGCCAG	CCACGGACAG	GCCGAGCTCC	AGAAAGCGCA	CGAGCGACAG
	40381	GGTGTGCA	TAGGACCCCA	GCAGGGCGTC	AAACTCTACG	TCATACAGGC	TGTTTCGTC
35	40441	GGAGCGCACG	GCGGCGAAAA	AATCAAAGAG	TCTGCGGTGG	GACGCCACCT	CGATCGTACT
	40501	CAGGATGGAG	CCGGTGGGCA	GGATGGCCGC	GGCGTACCGG	TAACCCGGGG	GGTCGCGGGC
	40561	AGGAGCGGCC	ATTGGGTTCC	TTGGGGGATT	CGCAGGCTCC	ATCAAGCCGA	GCTCGGGAAAG
	40621	GCCAAGCCCC	TCCCGCACAA	CGCCTCACCG	CCGGCGGACG	CGACTAACAA	CCCACGGGC
	40681	GCCAAAACCC	CAAGGGGCAA	CCCGACCAAC	AACAGGCGAG	GGGAGGAAAG	GCGTAAAGGG
40	40741	GGCGTTGGGA	GGCAAAAAGA	AAGAAAACAC	CCAGACGTAG	GCCCGAGGAC	CGGCCGGCGT
	40801	CCTCTGTCCC	CGAGCACCCA	CTGTGCCAA	CAGGCACGGG	GGCGAGCTG	CCCTGCCTTA
	40861	TATACCCCCC	CGCCACACCC	CCGTTAGAAC	GCGACGGGTG	CCTTCAGAT	GGCCCTGGTC
	40921	CAAAAGCGTG	CTAGAAAAAA	GTTGGTAAAG	GCGGCAAAGC	AGTCCGCC	CGCCACCCAC
	40981	ATGGCGGCC	CGGCCGCGCA	GGCGATTCCC	AGAGAACGGG	CGCGGAGGGG	ATCCGTGCG
45	41041	GGCAGCAGCT	GGCTGGCGGT	GATCCAATGG	AAAAGCCGT	CGGGACTGAA	CGTCTCATGG
	41101	GCGGCCGCCA	CCAGGGCGCA	CAGGGCGCG	CCGCCCCATGA	TCACGCACAA	CCCCAAAAC
	41161	ACGGGTGGCG	ACAACGGCAG	GCGATCCCGT	TTGATGTTCA	CGTACAGGAG	GAGGCGCCCGT
	41221	GCCAGCCACG	TGACATAGTA	GGCGAGGACG	GCGGTATAA	TACATGCC	CGCCACCGCC
	41281	CGTCCGGTCC	ACCCGTAATA	CATGCCCGCG	GCCACCAGCT	CCAGCGGCTT	GAGGACCAAG
	41341	AACGACCAAG	CAAACATCAC	CACCCGCTTG	GAAAAGACCG	GCTGGGTGTG	GGGCGGAAGA
50	41401	CGCGAGTAGG	CCGAACCTGAC	AAAAAAATCA	GACGTGCCGT	ACGAGGACAG	CGAAAACGT
	41461	TCATCGAGCG	GCAGTTCTCC	GTCCTCCCCG	CCACACGCC	CCTCGTCTAC	CAGCTCGCGA
	41521	TCCAACAAAG	GAACATCATC	CCGCATTGTC	ATGGTCGGTG	CGGGGAGCCG	GCGAGGCAGC
	41581	AAAACCGAAA	GTAGTGTGTTG	CGGCGCGGGC	CCGGGTCCGG	ACCCAAGCTT	CAGGGATGGG
	41641	GGGCGGAGGC	CAAATCAA	CAAGCACCGC	GCGGGTTCTA	CACACAAACCC	CCACCCGGGT
55	41701	AGTATCCGCG	GATGCGAGTG	CCTGGCGAAG	TCACGTCCCA	GCAGGATATA	AACCTCGGCC
	41761	GTTGGGCCCG	GAACCCCGA	AATTACACACC	CACGCCCTGA	CGCCCAAAATC	ATGGGTGGAT
	41821	GTGGTTCGCG	AGCCGCACAT	CCGTGCGTC	GCCCTCCCCC	GCGGGCTGAT	GACGTGGCG
	41881	TTAGTCAGTG	GGAAAGGCAGG	GGAAAGAGATG	GGTTGGGGGA	GGAAACGAAG	AAAACACCCA
	41941	GAGGGCCACG	TCGGGAATGC	GCCCCGGAGTT	GTCCTAAAAA	GGCCGGCCGT	CGGTGACGGA

	42001	AGCCGTCGTT	TGCCCAAGCA	CCGACGCCGC	GATCCACAGT	GGGGGGAGTT	CCTCCGTCCG
	42061	GCCACAACCC	TACGCGCGG	CGGCACGCGC	GAGAGCAACC	CACGGGTC	TTCGCGCCA
	42121	CCGCCAGCCC	TTGCTCCAC	CACCCTCTC	CCACCACCCC	ACTATTCCCC	CCCCCAAGTC
	42181	CGCCCCGTGG	CTCGCCGCC	ATGGAGCTCA	GCTATGCCAC	CACCCTGCAC	CACCGGGACG
5	42241	TTGTGTTTA	CGTCACGGCA	GACAGAAACC	GCGCCTACTT	TGTGTGCGGG	GGGTCCGTTT
	42301	ATTCCCGTAGG	CGGGCCTCGG	GATTCTCAGC	CGGGGGAAAT	TGCAAGTTT	GGCCTGGTGG
	42361	TCCGGGGGAC	AGGCCCAAA	GACCGCATGG	TCGCCAACTA	CGTACGAAGC	GAGCTCCGCC
	42421	AGCGCGGCCT	CGGGGACGTG	CGGCCCGTGG	GGGAGGACGA	GGTGTTCCTG	GACAGCGTGT
10	42481	GTCTGCTAAA	CCCGAACGTG	AGCTCCGAGC	GAGACGTGAT	TAATACCAAC	GACGTTGAAG
	42541	TGCTGGACGA	ATGCCTGGCC	GAATACTGCA	CCTCGCTGCG	AACCAGCCG	GGGGTGCTGG
	42601	TGACCGGGGT	GCGCGTGC	GCGCGAGACA	GGGTCACTGA	GCTATTGAG	CACCCGGCGA
	42661	TCGTCAACAT	TTCCCTCGCG	TTCGCGTACA	CCCCCTCCCC	CTACGTATT	GCCTCTGGCCC
	42721	AGGCGCACCT	CCCCCGGCTC	CCGAGCTCGC	TGGAGCCCT	GGTGAGCGGC	CTGTTGACG
15	42781	GCATTCCCGC	CCCGCGCCAG	CCCCCTGGACG	CCCGCGACCG	GCGCACGGAT	GTGCGATCA
	42841	CGGGCACCCG	CGCCCCCAGA	CCGATGGCCG	GGACCGGGGC	CGGGGGCGCG	GGGGCCAAGC
	42901	GGGCCACCGT	CAGCGAGTTC	GTGCAAGTGA	AGCACATCGA	CCGTGTTGT	TCCCCGAGCG
	42961	TCTCTTCCGC	CCCCCCCAGC	AGCGCCCCCG	ACGCGAGTCT	GCCGCC	GGGCTCCAGG
	43021	AGGCCGCCCC	GCGGGGCCCC	CCGCTCAGGG	AGCTGTGGT	GGTGTCTAC	GCCGGCGACC
	43081	GGGCGCTGGA	GGAGCCCCAC	GCCGAGTCGG	GATTGACGCG	CGAGGAGGTC	CGCGCCGTGC
20	43141	ATGGGTTCCG	GGAGCAGGCG	TGGAAGCTGT	TTGGGTCGGT	GGGGGCTCCG	CGGGCGTTTC
	43201	TCGGGGCCGC	GCTGGCCTG	AGCCCCACCC	AAAAGCTCGC	CGTCTACTAC	TATCTCATCC
	43261	ACCGGGAGCG	GCGCATGTCC	CCCTTCCCCG	CGCTCGTGC	GCTCGTGGT	CGGTACATCC
	43321	AGGCCACCG	CCTGTACGT	CCCGCGCCCG	ACGAACCGAC	GTTGGCCGAT	GCCATGAACG
	43381	GGCTGTTCCG	CGACGCGCTG	GCGGCCGGGA	CCGTGCCGA	GCAGCTCTC	ATGTTGACCC
25	43441	TCCTCCCGCC	CAAGGACGTG	CCGGTGGGGA	GCGACCGCG	GGCCGACAGC	GCCGCCCTGC
	43501	TGCGCTTTGT	GGACTCGCAA	CGCCTGACCC	CGGGGGGTC	CGTCTCGCCC	GAGCACGTCA
	43561	TGTACCTCGG	CGCGTCTCG	GGCGTGTGTT	ACGCGGGCCA	CGGACGCTG	GCCGCGGCCA
	43621	CGCATAACCGC	GCGCCTGACG	GGCGTGACGT	CCCTGGTCC	GACCGTGGG	GACGTCGACC
	43681	GGATGTCCGC	GTTTGACCGC	GGGCCGGCG	GGGCGGCTGG	CCGCACGCGA	ACCGCCGGGT
30	43741	ACCTGGACGC	GCTGCTTACC	GTTTGCTGG	CTCGCC	GCACGGCCAG	TCTGTGTGAG
	43801	ATATCCAAT	AAAGTGCAGT	CGTTTCTAA	CCCACGGATG	CCGTTGTATG	CCTATACGGG
	43861	GGACTATGGG	GGGGGAAAGG	AAAGGAAACA	GGAATGGAGA	AGGGAAAGGA	ACAGAGGCGG
	43921	TAGCGGACGC	ACGGCGGACA	CAATAACAAA	CAGACCGCG	ACACGGAGGG	AGTCGGTTGG
	43981	GTTGGGCGTG	GACGCCGCTG	CGTCCACACA	CCCGTTTATT	CGCGTCTCC	AAAAATGGG
35	44041	ACGCACGTT	GGACCACCT	AAGGATGCC	GCCAGGGCCG	CGGTAATCAT	AACGACCCCC
	44101	AGCGCGGACG	CGGCCAGAAA	CCCGGGGGCG	ATGGTGGCGA	TGGGCAGCGT	GTCAAAGGCC
	44161	AGCAGATGAA	TCACAGTCC	GTTGGGAAAC	AACAAACAGGG	CCACGGACGG	CACGTCGCTG
	44221	AAAAAACACGT	TCGGGGTGC	CGCCACCGGC	CCCTGGGCCA	GCTGCTGGT	GGTGGCATCC
	44281	GTGTCCACCA	GCAGCACCGA	CATGACCTC	CCGGCCGGGG	TGTAGCGCAG	AAACACGGCC
40	44341	CCCACGAGGC	CGAGGTGCG	CCGGTTTTCG	GTGCGCACCA	GCCGCTTC	CTCAATCTCC
	44401	CGCGCGTGC	CTTCGCGAGG	GGCGGTGAGA	TAGGTGATAA	ACAGCGGGCG	GCGGACGTCA
	44461	ACGCCCGTAA	GCTTGTATCC	GATCCC	GGCAAGGGGG	TGTGGGTGAC	GACGTAGCTG
	44521	GCGTTGTGGG	TGATGGGCAC	GAGGATCCGG	GGCTCCGCGT	TGTGCGACGG	GCCGCTACAC
	44581	TGGTGGGTGG	CCTCCGGAC	GAAGGCGCG	ATCAGGGCGT	TGTAGTGC	CCAGCGCGT
45	44641	AGAACGGAGG	CCACGCCGCG	GGTCTGTTG	GCCATGACGT	CCGCCGGGAT	GTGGGATCGG
	44701	GTGGCCATGG	CCAGCGCGT	CAGGATGAAC	CCGCCCTCGG	CGAGATCGA	GCAGCAGGGAA
	44761	GCTGCGCATG	GGGAAAAGTG	GTCCGGGAGC	CAGAAAGAGGT	TTTCTGGT	GTGGGTCTG
	44821	GCTAGCGCGG	CCCGGAGATC	GGCGTGGGTC	GCCGCCGGGA	CGTCGGACGT	ACACAGGGCC
	44881	GTGGTTATGA	GGAGGCCCG	GCGGGCGCGT	TCCCGCTGCT	CGGCCGAGGG	CGGCCCGGCC
50	44941	AGGAACGGCG	CCCGGAGGAC	GGCCGTGGCG	TAAAACAGCG	CTCGCGGAC	CATCGGGCG
	45001	GTTAGCGCGC	GGCCGCGGAG	AAACTCGCG	TACAGGGCGT	CGATCAGCG	GGCCGCGCTC
	45061	GGGGCCACCG	CGCCATAGGC	CGCGGGCTG	TCCAACACGA	ACGCCAGCTG	ATAGCCCAGC
	45121	GC GTGCGCCA	CCAGGCTCTG	CTCTCGCTC	AGGATCGCG	CCACCAAGATG	CCCGAGGC
	45181	GCCTCCAGCC	GCAGGC	CGCCGGGTCC	AACACGGACA	CGTTCAAGGAA	CACCGAGTCG
55	45241	GCCGCGCAGC	CCGCTGCTC	CCGGGCGGCC	AGGCCGGCA	GCACGCGCGA	GTGGGCCAAA
	45301	AAGCCCAGCA	GGTCGGAGAG	GGCAATCGCG	TCGTGGCGT	GGGCCGCGTT	GACGAACGCA
	45361	AACCCCAGC	AGGCAGAGCAG	CCCCGCGAGG	CGCCAGAAC	GGGACGGACG	CGCGTCCGTG
	45421	CCGGAGCCCG	GGTCCTCCCC	AAAAAACTCC	GCATAGGCC	GCGACATATA	CTGGGC
	45481	TTCGTGCTCT	CCTCGGGGTA	GCCGGCCACC	CGCCGGAGGG	CGTCCAGCGC	CGAGCCGTTG

	45541	TCGGCGGGCG	TGGGGGCC	CAGGACAAAG	ACGGATACC	TGGGGCCGGC	CGGAGGCCCG
	45601	GGGAGCACCG	CGGGGGCGT	TTCGTCGGTC	GGATTTCGA	CCCGAGCGAG	GGTCTTGTCC
	45661	GCAGGCACCA	CTATGATCTC	GGCCGGAGGG	CTGTCGGCA	TGATATCAC	GAGCCCCATG
	45721	AAGCCTTCC	CGTATCGCG	GCGCACGAGC	GCGGCGTCGC	ACCGAACGC	CAGCCCGCCC
5	45781	GTCGTCCAGA	CGCCCACGGG	CCACGTCGAG	GCGACGGGG	AGAGGTACAC	GTACCGACCC
	45841	GGAGTCCCGTA	GCAGGCCCT	GGCGGCCAGC	CAGGTACCGG	ATGCGTTGTG	CAGATGCGCG
	45901	ATGCTCAGGT	TCGTCGTCGG	ATGCCTCGGT	GTCCCCGCGG	GCGGCCCCGG	GGCGGGCGCG
	45961	TTGCGTCGGC	CGTCCGGGTG	CCTCTCGGT	GCCCCGTGCGT	CTCCCCGCGG	GAACGTAAGC
10	46021	CCCTCGCGGT	CCGGCGGGC	CGCGAATGTT	ACCCAGGCC	GGGACCGCAA	CAGCGCGGAG
	46081	GCGCCGGGGT	TGTGCGACAG	TCCCTTGAGC	TGGGTACACT	CGGGGGGGGG	ACGGGACGTG
	46141	GGCCCCGCCT	CGGGGAGCTC	GGCAGGCTC	GCCTTCCGAG	GCCGGCGAG	CAGATAGGTC
	46201	TTTGGGATGT	AAAGCAGCTG	CCCAGGGTCC	CGAGGAAACT	CGGGCGTGGT	GACCAACACG
	46261	AAACAAAAGC	GCTCGGGCGTA	CCACCGAACGC	ATGGGCACGG	ATGCGTAGT	CAGGTTGAGT
15	46321	TCGCCCGGGG	GCGCCAAGCG	TCCGCGCTGG	GGGTCGCTGG	CGTCGGGGGT	GTTGGGCAAC
	46381	CACAGACGCC	CGGTGTTGT	GTGCGGCCAG	TACGTGCGGG	CCAACCCAG	ACCGTGCAAA
	46441	AACCACGGGT	CGATTTGCTC	CGTCCAGTAC	GTGTCATGGC	CCCCGGCAAC	GCCCACCAAG
	46501	ACCCCCATCA	CCACCCACAG	ACCGGGGCC	ATGGTCGTG	TCCCAGCTGC	CAGTCAGCAG
	46561	ATGGGGGGGG	GTGTCCGTAC	CCACGGCCCA	AAGAGGCTCC	GCACCTOGGA	GGCTATCGGA
20	46621	GGCCCTTGT	TGCCGTAAGC	GCGGGCAAA	GGATGGGTG	GGGTGAGGGT	AAAAGCACAA
	46681	AGGGAGTACC	AGACCGAAAA	CAAGGACGGA	TGGGCCGCT	CGGTTTTGCG	GTGGGGTGCT
	46741	GATA CGGTGC	CAGCCCTGGC	CCCGAACCCC	CGCGCTTATG	GACACACCAC	ACGACAACAA
	46801	TGCCTTTTAT	TCTGTTCTT	TATTGCGTC	ATCGCCGGGA	GGCCTTCG	TCGGGCTTCC
	46861	GTGTTGAAC	TAAACTCCCC	CCACCTCGCG	GGCAAACGTG	CGCGCCAGGT	CGCGTATCTC
25	46921	GGCGATGGAC	CCGGCGGGTG	TGACGCGGGT	TGGGATCATC	CGGGCGGTGA	GGCGCAACAG
	46981	GGCGTCTCGA	CACCCGACGG	GCGACTGATC	GTAATCCAGG	ACAAATAGAT	GCATCGGAAG
	47041	GAGGCGGTG	GCCAAGACGT	CCAAGACCCA	GGCAAAATG	TGGTACAAGT	CCCCGTTGGG
	47101	GGCCAGCAGC	TCGGGAACGC	GGAACAGGGC	AAACAGCGTG	TCCTCGATGC	GGGGCAGAGA
	47161	CCCCCGCCG	TCCTCGGGGT	CGGGGCGCGG	GGTCGCCGCG	GCGACCCCCG	TCAGCCGGCC
30	47221	CCAGTCCTCC	CGCCACCTCC	CGCCGCGCTG	CAGGTACCGC	ACCGTGTG	CGAGTAGATC
	47281	GTAGACACGG	CGAATGGCGG	ACAGCATGGC	CAGGTCAAGC	CGCTCGCCCG	GGCGTTGGCG
	47341	TCTGCCAGG	CGGTCGGGGT	GTTCGGCCTC	CGGAAGGACA	CCCAGGACCA	GGTCGTTGCC
	47401	GGGCGCGGT	GGGGGCATGA	GGGCCACGAA	CGCCAACACG	GCCTGGGGGG	TCAATGCTTCC
	47461	CATGAGGTAC	CGCGCGGGCG	GGTAGCACAG	CAGGGAGGCG	ATAGGGTGCC	GGTCGAAAAC
35	47521	AAGGGTGAGG	GCCGGGGGCG	GGGCTTGCAG	GCCCCACAGCC	TCCCCCCGA	TATGAGGAGC
	47581	CAAAACGGCG	TCCGTCGCCG	CATAAGGCGT	GTCATTGTT	ATCTGGCGC	TGGTCATTAC
	47641	CACCGCCGCC	TCCCCGGCCG	ATATCTCGCC	GCGGTCCAGA	CGGTGCTGCG	TGTTGTAGAT
	47701	GTTCGTCAGG	GTCTCGGAGG	CCCCCAGCAC	CTGCCAGTAA	GTCAATCGGCT	CGGGGACGTA
	47761	GACGATATTG	TCGCGCGGCC	CCAGGGCCTC	CATCAGCTGC	GCGGAGGTGG	TGGTCTTCCC
40	47821	CACCCCGTGG	GGTCCGTCTA	TATAAACCGC	CAGCAGCGTG	GGCAGCTCCG	GATCCCCCGC
	47881	GGCTCCGGAG	GCCCCCTGGC	GATGGCTAGG	ACGGGACGCC	GCGCGCCCGT	CGGTAGGCC
	47941	GCTCGCACGA	GCAGCCTGAC	CGAACCGCAGG	CGCGTGTGT	TGGCCGGCGT	GAGAAGCCAT
	48001	ACCCGCTTCT	ACAAGGCGTT	CGCCCGAGAG	GTGCGGGAGT	TCAACGCCAC	CAGGATTGT
	48061	GGAACGCTGC	TGACGCTGAT	GAGCGGGTGC	CTGCAGGGTC	GTCGCTGTT	CGAGGCCAGC
45	48121	CGCGTCACCT	TAATATCGCA	AGTGGACCTC	GGGCCGCGCC	GCCCAGACTG	CATCTCGCTG
	48181	TTCGAATTG	CCAATGACAA	AACGTTGGGA	GGTGTGTGCG	TCATCCTGGA	GCTAAAGACA
	48241	TGCAAATCGA	TTTCTTCCGG	GGACACGGCC	AGCAAACGCG	AACAGCGGAC	CACGGGCATG
	48301	AAGCAGCTGC	GCCACTCCT	GAAGCTGCTG	CAGTCGCTCG	CGCCCTCCGG	GGACAAGGTC
	48361	GTCTACCTGT	GTCTTATT	GGTGTGTTGTC	GCGCAGCGTA	CGCTGCGCGT	CAGCCGCGTG
50	48421	ACCCGGCTCG	TCCCCAAAAA	GATCTCCGGC	AACATCACCG	CGGCCGTGCG	GATGCTCCAA
	48481	AGCCTGTCCA	CGTATGCCGT	GCCGCCGGAA	CCGCAGACCC	GGCGGTGCG	GCGCCGGGGTC
	48541	GCCGCGACCG	CCAGACCGCA	AAGGCCCCCC	TCCCCGACAC	GTGACCCCGA	AGGCACGGCG
	48601	GGTCATCCGG	CCCCACCCAGA	GAGCGACCCC	CCCTCCCCAG	GGGTGCGTAGG	CGTCGCTGCG
	48661	GAGGGTGGGG	GTGTGCTCA	GAAAATCGCG	GCGCTTTTT	GGGTGCGGGT	GGCCGCCAAG
55	48721	AGCAGACCCC	GGACCAAAAC	CGAGTGAGGT	TCTGTGTGTT	GTTTTTTTT	TTTTTTTCCC
	48781	TCGTTTGTT	TTCTCTTCTT	TCCCCCCCCC	CTCCCCCGCT	TCTGGCCAAG	CATCCTCACC
	48841	TGCTTAAGCG	GAACCCCGG	GGCGCGGGGG	ACTCATTGTT	CGCCGGCGAC	ACCCACCCGA
	48901	CAACAGCCCC	TGGGTGTCGA	CCGCTGTCG	CCCCGTCTGT	CGCCTCTCCC	TTTTTTCCCC
	48961	CCCTCAAAGA	ACGTGGTGT	GGGCGCCGGC	CAATTCTCC	CGGAGCGCCG	TCGTCGCCCG
	49021	CCCGCCGCC	TCGAACATGG	ACCCGTACTA	CCCTTCGAC	GCGCTGGACG	TTTGGGAACA

	49081	CAGGCGCTTC	ATCGTCGCCG	ACTCCAGGAG	CTTCATCACC	CCCGAGTTCC	CCGGGGACTT
5	49141	CTGGATGTTG	CCCGTGTCA	ACATCCCCG	GGAGACGGCG	GCGGAGCGGG	CGGCAGTGCT
	49201	GCAGGGCCAG	CGCACCGCGG	CCGGGGCGGC	CCTGGAGAAC	GCCGCCCTCC	AGGCCGCCGA
	49261	GCTGCCCGTC	GACATCGAGC	GCCGGATACG	CCCGATCGAG	CAGCAGGTGC	ATCACATCGC
10	49321	CGACGCCCTG	GAGGCCTGG	AGACCGCGGC	GGCCGCGGCC	GAAGAGGCAG	ATGCCGCCG
	49381	GGACGCCGAG	GCGAGGGGGG	AGGGCGCTGC	GGACGGGGCA	GCGCCGTCGC	CCACCGCGGG
	49441	CCCCGCCGCC	GCGGAGATGG	AGGTTCAAGAT	CGTACGCAAC	GACCCGCCGC	TACGATAACGA
	49501	TACCAACCTC	CCCCTGGATC	TGCTACACAT	GGTGTACGCG	GGCCGCGGGG	CCGGGGTTTC
15	49561	GTCGGGAGTC	GTCTTGGTA	CCTGGTACCG	CACGATCCAG	GAACGCACCA	TCGCGGACTT
	49621	CCCCCTGACC	ACCCGCAGCG	CCGACTTTCG	AGACGGGCAG	ATGTCCAAGA	CCTTCATGAC
	49681	CGCGCTGGTC	CTGTCTCTGC	AGTCGTGCGG	CCGGCTGTAC	GTGGGCCAGC	GCCACTATTG
	49741	CGCCTTCGAG	TGCGCCGTGC	TGTGTCTGTA	TCTGCTGTAC	CGAACCAACCC	ACGAGTCCTC
20	49801	CCCCGATCGC	GATCGCGCTC	CCGTTGCCTT	CGGGGACCTG	CTGGCCCGCC	TGCCCGCGCTA
	49861	CCTGGCGCGT	CTGGCCGCCGG	TAATCGGCAG	CGAGAGCGGA	CGCCCGCAGT	ACCGCTACCG
	49921	CGACGACAAG	CTGCCCCAAAG	CGCAGTTCGC	GGCAGGCCGGC	GGCCGCTACG	AGCACGGGGC
	49981	CCTGGCCACC	CACGTCGTGA	TCGCCACGTT	GGTGCGCCAC	GGGGTGCTAC	CGGGGGCCCC
	50041	GGGCGACGTT	CCCCGAGACA	CCAGCACCCG	CGTGAACCCC	GACGACGTGG	CCACCGCGA
	50101	CGACGTCAAC	CGCGCCGCCG	CCGCGTTTTT	GGCACCGCGC	CACAACCTCT	TCCGTGGGA
25	50161	GGACCAGACG	CTGCTGCCGG	CGACCGCCAA	CACCATTAACG	GCCCTGGCCG	TGCTTCGGCG
	50221	GCTCCTCGCG	AACGGCAACG	TGTACGCGGA	CCGCCTCGAC	AACCGCCTGC	AGCTGGGCAT
	50281	GCTGATCCCG	GGAGCCGTC	CGGCGGAGGC	CATCGCTCGG	GGGGCGTCCG	GATTGGACTC
	50341	GGGCGCCATA	AAAAGCGCG	ACAACAACCT	GGAGGGCGCTG	TGCGTTAACT	ATGTACTTCC
	50401	GCTGTATCAG	GCAGACCCCA	CGGTCGAGCT	GACCCAGTTG	TTTCCGGGGC	TGGCCGCCCT
	50461	GTGCCCTGGAC	GCCCAGGCCG	GGGGGCCACT	GGCGTCGACG	AGGCGCGTGG	TGGATATGTC
30	50521	GTCGGGCGCC	CGCCAGGCCG	CGCTCGTGC	CCTCACCGCG	CTGGAGCTCA	TCAACCGCAC
	50581	CCGCACAAAC	ACCACCCCTG	TGGGGGAGAT	TATTAACGCC	CACGATGCC	TGGGGATACA
	50641	ATACGAACAG	GGGCCTGGGC	TGCTCGCCCA	GCAGGCACGC	ATCGGCTTGG	CGTCAAACAC
	50701	CAAGCGATTG	GCCACGTTCA	ACGTGGGCAG	CGACTACGAC	CTGTTGTACT	TTTGTGTCT
	50761	CGGGTTCAATT	CCCCAGTACC	TGTCCGTGGC	CTAGGGAAGG	GTGGGGGTGG	TGGTGGTGGG
35	50821	GTGTTTTCT	GTTGTTGTT	CTGGTCCGCC	TGGTCACAAA	AGGCACGGCG	CCCCGAAACG
	50881	CGGGCTTTAG	TCCCGGCCCG	GACGTCGGCG	GACACGCAAC	AACGGCGGGC	CCCGTGGGTG
	50941	GGTAAGTTGG	TTCGGGGGCA	TGCTGTATT	CCCTTGCCCC	CTTCCACCCCC	CCCCCCCCCTT
	51001	CCCCTTTGT	TTGTTGTGC	GGGTGCCCAT	GGCGTCGGCG	GAAATGCCCG	AGCGGTTGGA
	51061	GGGCCCTCTG	CCCGACCGGG	CGGTGCCCAT	CTACGTGGCC	GGGTTTTGG	CCCTGTACGA
40	51121	CAGCGGGGAC	CGGGCGAGC	TGGCCCTGGA	CCCAGACACG	GTGCGTCGG	CCCTGCCCTCC
	51181	GGAGAACCCC	CTGCCGATCA	ACGTAGACCA	CCGCGCTCGG	TGCGAGGTGG	GCCGGGTGCT
	51241	CGCCGTGGTC	AACGACCCCTC	GGGGGCCGTT	TTTTGTGGGG	CTGATCGCGT	GCGTGCAGCT
	51301	GGAGCGCGTC	CTCGAGACGG	CCGCCAGCGC	CGCTATTTT	GAGGCCCGCG	GACCCGCCGT
	51361	CTCCCCGGAG	GAGCGTCCTG	TGTACCTGAT	CACCAACTAC	CTGCCATCGG	TCTCGCTGTC
45	51421	CACAAAACGC	CGGGGGGACG	AGGTTCCGCC	CGACCGCACC	CTGTTGCGC	ACGTGGCCCT
	51481	GTGCGCCATC	GGGCGGCC	TTGGAACCAT	CGTCACCTAC	GACACCAGCC	TAGACCGGGC
	51541	CATCGCTCCG	TTTCGCCACC	TGGACCCGGC	GACGCGCGAG	GGGGTGGCGAC	GCGAGGCCGC
	51601	CGAGGCCGAG	CTCGCGCTGG	CCGGGCGCAC	CTGGGGCCCCC	GGCGTGGAGG	CGCTCACACA
	51661	CACGCTGCTC	TCCACCGCCG	TCAACAAACAT	GATGCTGCGT	GACCGCTGG	GCCTTGTGGC
50	51721	CGAGCGCGG	CGGCAGGCCG	GGATGCCCG	ACACACGTAC	CTTCAGGCGA	GCGAAAAATT
	51781	AAAAATATGG	GGGGCGGAGT	CTGCCCCCTG	GCCGGAGCGC	GGGTATAAAA	CCGGCGCCCC
	51841	GGGTGCCATG	GACACATCCC	CCGCCGCGAG	CGTCCCCTG	CCGCAGGTG	CCGTCCTGTC
	51901	GCCTCAAGTC	CGCTCGTCTG	CTTCTTCTTC	TTCTTTCCG	GCACGGGCCG	ATATGAACCC
	51961	CGTTTCGGCA	TCGGGCC	CGGCCCTCC	GCCGCCCGC	GACGGGAGTT	ATTGTGGAT
55	52021	CCCCGCCCTCT	CATTACAATC	AGCTCGTCAC	CGGGCAATCC	GCGCCCCGCC	ACCCGCCGCT
	52081	GACCGCGTGC	GGCCTGCC	CCGCGGGGAC	GGTGGCC	GGACACCCCG	GCGCCGGGCC
	52141	GTCCCCGCAC	TACCCGCTC	CTCCCGCCCA	CCCGTACCCG	GGTATGCTGT	TCGCGGGGCC
	52201	CAGTCCCCCTG	GAGGCCAGA	TCGCCGCGCT	GGTGGGGGCC	ATCGCCGCCG	ACCGCCAGGC
	52261	GGGTGGGCTT	CCGGCGGCCG	CCGGAGACCA	CGGGATCCGG	GGGTGGCGA	AGCGCCGCCG
	52321	ACACCGAGGTG	GAGCAGCGG	AGTACGACTG	CGGCCGTGAC	GAGCCGGACC	GGGACTTCCC
	52381	GTATTACCCG	GGCGAGGCC	GCCCCGAGCC	GCGCCCGGTC	GACTCCCGG	GCGCCGCGC
	52441	CCAGGCTTCC	GGGCCCCACG	AAACCATCAC	GGCGCTGGTG	GGGGCGGTGA	CGTCCCTGCA
	52501	GCAGGAACCTG	GCGCACATGC	GCGCGCGTAC	CCACGGCCCC	TACGGGCCGT	ATCCGCCGGT
	52561	GGGGCCCTAC	CACCAACCCCC	ACGCAGACAC	GGAGACCCCC	GCCCAACCAC	CCCGCTACCC

	52621	CGCCAAGGCC	GTCTATCTGC	CGCCGCGC	CATCGCCCCC	CCGGGGCCTC	CTCTATCCGG
	52681	GGCGGTCCCC	CCACCCCTCGT	ATCCCCCAGT	TGCGGTTACC	CCC GGTC	CTCCCCCGCT
	52741	ACATCAGCCC	TCCCCCGCAC	ACGCCAACCC	CCCTCCGCG	CCGCCGGGAC	CCACGCCTCC
	52801	CCCCGCCGCG	AGCTTACCCC	AACCCGAGGC	GCCCCGGCG	GAGGCCGGCG	CCTTAGTTAA
5	52861	CGCCAGCAGC	GCGGCCAACG	TGAACGTGGA	CACGGCCCGG	GCCGCCGATC	TGTTTGTGTC
	52921	ACAGATGATG	GGGTCCCGCT	AACTCGCCTC	CAGGATCCGG	ACTTGGGGGG	GGTGTGTGTT
	52981	TTCATATATT	TTAAATAAAC	AAACAACCGG	ACAAAAGTAT	ACCCACTTCG	TGTGCTTGTG
	53041	TTTTGTTTG	AGAGGGGGGG	GTGGAGTGGG	GGGGAAAGTG	GGCGAATGA	CACAAAAATT
10	53101	AGGTCGGAGG	GGTGAGGGGG	GGGGGCTAGG	AGCCGAACCG	ATGGCCCCCA	CACCGGACGG
	53161	AAGGCCCGGA	AGACTACCAC	GGGGAGGGGG	TGTGAAAGC	GACCGGTCGC	AGGGAGACGG
	53221	GGTTGGTTTG	GGGTTGGTTT	GGGGTTGGTT	T'TCCCGTTAG	CACATGTCTG	CATTGTTTT
	53281	TCTAGTCACA	CGCCCCCCCC	CCCCCAAATA	AAAACCAAGG	CAAACAAATA	CCAGAAGTCA
	53341	TGTGTATTTT	TGAACATCGG	TGTCTTTTA	TTTATACACA	AGCCCAGCTC	CCCTCCCCCTC
15	53401	CCTTAGAGCT	CGTCTCGTC	TCCGGCCTCG	TCCTCGTTGT	GGAGCGGAGA	GTACCTGGCT
	53461	TTGTTGCGCT	TGCGCAGAAC	CATGTTGGTG	ACCTTGGAGC	TGAGCAGGGC	GTCGTGCC
	53521	TTCTTCTGG	CCTTGTGTT	CGTGCCTC	ATGGCCGACA	CCAAAGCCT	ATATCGGATC
	53581	ATTTCTCGGG	CCTCGGCCAA	CTTGGCCTCG	TCAAACCCGC	CCCCCTCCGC	GCCTTCCTCC
	53641	CCCTCCCCCGC	CCACGCC	GGGGTCGGAA	GTCTTGAGTT	CCTTGGTGGT	GAGCGGATAC
20	53701	AGGGCCTTC	TGGGATTGCG	TTGCAGTTCG	AGGACGTAGC	GGAAGGGAA	GAAGGCCGCG
	53761	ACCAGGCCGG	CCAGGACCAG	CAGCCCCACG	GCAAGCGCCC	CGAAGGGTT	GGACATAAAG
	53821	GAGGACACGC	CCGAGACGGC	CGACACCACG	CCCCCACTA	CTCCCATGAC	TACCTTGGCG
	53881	ACCGCGCGCC	CCAAGTCCCC	CATCCCCTCG	AAGAACGCGC	ACAGCCCCGC	GAACATGGCG
	53941	GCGTTGGCGT	CGGCGCGGAT	GACCGTGTG	ATGTCGGCAA	AGCGCAGGTC	GTGCAGCTGG
25	54001	TTGCGCGCT	GGACCTCCGT	GTAGTCCAGC	AGGCCGCTGT	CCTTGATCTC	GTGGCGCGTG
	54061	TAGACCTCCA	GGGGCACAAA	CTCGTGGTCC	TCCAGCATGG	TGATGTTAG	GTCGATGAAG
	54121	GTGCTGACGG	TGGTGACGTC	GGCGCGACTC	AGCTGGTGAG	AGTACGCGTA	CTCCTCGAAG
	54181	TACACGTAGC	CCCCGCCGAA	GATGAAGTAG	CGCCGGTGGC	CCACGGTGCA	CGGCTCGAGC
	54241	GCGTCGCGGG	TGAGGCGCAG	CTCGTTGTT	TCGCCAGCT	GCCCCCTCGAT	CAGCGGGCCC
30	54301	TGGTCTTCGT	ACCGAAAGCT	GACCAGGGGG	CGGCTGTAGC	ACGTCCCCGG	CCGCGAGCTG
	54361	ACGCGCATCG	AGTTCTGCAC	GATCACGTTG	TCCGGGGCGA	CGGGCACGCA	CGTGGAGACG
	54421	GCCATGACGT	CTCCGAGCAT	CGCGCGCTC	ACCCGCCGGC	CGACGGTGGC	GGAGGCGATG
	54481	GCGTTGGGGT	TGAGCTTGC	GGCCTCGTT	CAGAGAGTC	GCTCGTGGTT	CTGCAGCTCG
	54541	CACCACGCGA	CGGCGATGCG	CCCCAGCATG	TCATTACAGT	GGCGCTGTAT	GTGGTTATAC
35	54601	GTAAACTGCA	GCCGGGGCGA	CTCGATCGAG	GAGGTGGTCT	TGATGCGCTC	CACGGACGCG
	54661	TTGGCGCTGG	GCGCCTCCCG	CAGTGGCGCG	GGCGTGGCAT	TCCGGGGCTT	GCGGTCTCG
	54721	TCCCCCATGT	ACTCCCGCAC	GTACAGCTCG	GCGAGCGTGT	TGCTGAGGAG	GGGCTGGTAC
	54781	GCGATGAGGA	AGCCCCCGT	GGCCAGGTAG	TACTGCGGCT	GGCCCACCTT	GATGTGCGTG
	54841	GCGTTGTACT	TGCGCGCAA	CATCGGGTGC	ATGGCCTCGC	GGGCATCCCG	GCCGATGCA
40	54901	TCGCCAGGT	CGACGCGCGA	GAGCGAGTAC	T'CGGTCAAGGT	TGGTGGTGA	GGTGGTCGAG
	54961	ATGGCGTCGG	AGGAGAACG	GAAGGAGCCG	CCGTACTCGG	CGCGGAGCAT	CTCGTCCACC
	55021	TCCTGCCACT	TGGTCATGGT	GCAGACGCC	GGTCGCTTCG	GCACCCAGTC	CCAGGCCACG
	55081	GTAAACTTGG	GGGTCGTAG	CAAGTTGCGG	GTCGTGCGCG	ACGTGGCCCG	GGCCTTCGTG
	55141	GTGAGGTCGC	GCGCGTAGAA	GCCGTCGACC	TGCTTGAAGC	GGTCGGCGGC	GTAGCTGGTG
45	55201	TGCTCGGTGT	CGCACCCCTC	CCGGTAGCCG	TAAAACGGGG	ACATGTACAC	AAAGTCGCC
	55261	GTCGCCAGCA	CAAACTCATC	GTACGGGTAC	ACCGACCGCG	CGTCCACCTC	CTCGACGATG
	55321	CAGTTGACCG	TGCGGCCGTA	CCGATGGAAC	GCCTCCACCC	GCGAGGGGTT	GTACTTGAGG
	55381	TCGGTGGGTGT	GCCACCCCTC	GCTCGTGC	G'TGGCGACCT	TCGCCGGCTT	GAGCTCCATG
	55441	TCGGTCTCGT	GGTCGTC	GTGAAACCCG	G'TGGCTCC	TGTTGTTCCG	CACGTACTTG
50	55501	GCCGTGGAGC	GGCAGACCCC	CTTGGTGT	ATCTTGTGCA	TCACCTCCTC	GAAGGGAACG
	55561	GGGGCGCGGT	CCTCGAATAT	CCCCATAAAAC	TGGGAGTAGC	GGTGGCCGAA	CCACACCTGC
	55621	GACACGGTCA	CGTCTTGT	GTACATGGTG	GCCTTGAATT	TGTACGGGGC	GATGTTCTCC
	55681	TTGAAGACCA	CCCGGATGCC	CTCCGTGTAG	T'TCTGCCCC	CCGGGCGCGT	CGGGCAGCGG
	55741	CGCGCGTGT	CAAACTCAC	CACCGTGGCG	CCC GTCGGGG	CGGGGCACAC	GTAAAACG
	55801	GCATCGGC	TCTCGACCTT	GATTTCCC	AGGTGCGCGC	GCAGCGTGGC	GTGGCCGGCG
55	55861	GCGACGGTCG	CGTTGGCGTC	GGGGGGCGGG	G'TCGCCTCGG	GCCGCTTGGG	CGGCTTTTG
	55921	GTGTTCCCGT	TCCGGGCTT	GGTGGTCCG	GGGCTCGGGA	CGGGGGCGGG	CGGGGAGGCG
	55981	GGACCCCCCGT	TCGCGCGAC	GGTCGCGGGC	ACGCCGCCCC	AGGCGCGGGG	GGCCGCGGGG
	56041	GCCGCCGGGG	CCGCGACGC	CACCGC	ACCAGCGCCC	CCACGAC	CGCGCAAATC
	56101	AAGCCCCCCC	CGCGCATGGC	GGGCCTACGG	GGGCGCGTCG	CTCCCGCC	CGCTAGTCT

	56161	GGGGCGGAGG	TGCTGCAGGA	CCGAGTAGAG	GATGGAAAAA	ACGTCTCGGT	CGTAAACCAC
	56221	GACCGAGCGG	GGTCGATGC	AGCCGTCGGG	GCCGCTCTCG	ACGATGGCCA	CCAGCGGACA
5	56281	GTCGGAGTTG	TACGTGAGGT	ACACGCCCGG	CGGGTAGCGG	TACAGACCTT	CGGAGGTGCG
	56341	GCGGCTGCAG	TCGGGGCGGC	GCAACTCAAG	CTCCCCGCAC	CGGTAGACCG	ACGCAAAGAG
	56401	TGTGGTGGCG	ATAATGAGCT	CGCGAATATA	TCGCCAGGCG	GCGCCTGGG	TGGGCGTGAT
	56461	TCCGGAAACA	CCGTCAAAAC	AGTAGAACTT	TTGAAACTCG	CTGACGGCCC	AATCAGCGCC
10	56521	CGAACCCCCC	GCGCCCATGA	TGAAGCGGGG	GAGTTCTCC	TTGAGGTGCG	GCAGGAGGCC
	56581	CACGTTCTCG	ACGCTGTAGT	ACAGCGCGGT	GTTGGGGGGC	TGGGCGAAGC	TGTGGGTGGA
	56641	GTGGTCGAAC	AGGGGCCCGT	TGACGAGCTC	GAAGAAGCGA	TGGGTGATGC	TGGGGAGCAG
15	56701	GGCCGGGTCC	ACCTGGTGGC	GCAGCAGCGA	CGCTCGCATG	AACCGGTGCG	CGTCAAACAC
	56761	GCCCCGGGCG	GCGCGGTTGT	CGATGACCGT	GCCCCGCGCC	GCCGTCAGGG	CGCAGAAGCG
	56821	CGCGCGCGCC	GCGAAGCCGT	TGGCGACCAC	GGCGAAGGTC	GCGGGCAGCA	CCTCGCCGTG
	56881	GACGCTGACC	CGCAGCATCT	TCTCGAGCTC	CCCGCGCTGC	TCGCGCACGC	AGCGCCCGAG
20	56941	GCTGGCCAGC	GACCGCTTGG	TCAGGCGGTC	CGCGTACAGC	CGCCGGCGCT	CCCGCACGTC
	57001	CGCGCGGGCC	CGCGTCGCGA	TGTCGCCCCA	GCTCTCCGGC	CCCTGCGCCC	CTGGCTCGGG
	57061	GCCGCGCTCC	CCGTCCTCGC	TCGCGGGCGT	CCCCCGCGCA	CGCCTCCGCC	CCCCCTCCTC
	57121	CGCGCGGGCC	CGGGGCTCTT	CCTCTCGGC	CCCCCCGGTC	GCGCGGCCGG	CCCCCAGCCG
	57181	CGCCAGCACG	CGGCGCAGCG	CCTCTCGTC	GCACTGCTCG	GGGCTGACGA	GCCGCCGCAG
25	57241	CAGCGCGTC	GTCAGGGTGGT	GGTCGTAGCA	CGCGCGTATC	AGCGCCTCGA	TCTGATCGTC
	57301	GGGCGACGTC	GCCTGGCCGC	CGATGATCAG	GGCGTCCACC	ATGTCCAGCG	CCGCCAGGTG
	57361	GCCCCCGAAC	GCGCGATCGA	AGTGTCCCGC	CCGCCGCCCG	AACAGGCCA	GCTCCACGGC
	57421	CACCGCGGCG	GTCTCTGCT	GCAGCTCGGC	CTGCGCCAGC	GCGTTCAAGGT	TGTCGGCGAA
	57481	GGCGTCCATG	GTGGAGTGGC	GGGCGCGATC	GCCGGACGCC	AGCCAGAACG	GAAGCTCGCT
30	57541	GATGGCGTAC	AGGCCGGCG	TAGTGGCTG	AAACACGTCA	TGCGCCTCCA	GCAGGGCGTC
	57601	GGCCTCCCTG	CGGACAGAAC	AGCTATCGGC	GGGCGGCCGGG	CCGGCCCTGG	CCCCGCCGCC
	57661	CGCCCGGGTC	CGCGCCAGCG	CCTGGTCCAG	CACACAGAGC	GCTCGCGCGC	GGGCGGCCGT
	57721	CGACAGCCCC	GCGGCGTGGG	GCAGGTACCG	TCGCGACTCG	TTGGCGTCCA	GCCGCACCTG
	57781	GGCCTGTTGG	GTGACGTGGT	TACAGATGCG	GTCCGCCAGG	GGGGCGGCCGA	TGGTCGCCCC
35	57841	TTGGGTCGCG	GTGACGCACA	GCTCTCGAA	ACAGACCGCG	CACGGGTGGG	ACGGGTCGCT
	57901	CAGCTCCGGG	GGCACGATGA	GGCCCGACCC	CACCGCCGCC	ACCATAAACT	CCCGGACGCG
	57961	CTCCAGCGCG	GCCGTGGCGC	CGCTCGGGGG	GGTGTAGGAG	TGGCAGTAGT	TCAGCTGCTT
	58021	GAGAAAATTG	TCGACATCAT	GCAGGAAGCA	CAGCTCCATG	CGGACGTCCC	CGCCGTACGT
	58081	CTGCAGCCGG	ATCTGCTGGT	GGTACGGACA	GGGTGGGCC	AGACCCATGG	TCTCGGTGAA
40	58141	AAAGGCAGAG	ACGTCACCCG	TGGTCGCGAA	CGTTTCCAGG	TGGCCCAGGA	GCCGCTCCCC
	58201	CTCGCGCCAC	GCGTACTCCA	GGAGCAACTC	CAGGGTGACC	GACAGCGGGG	TGAGAAAGGC
	58261	GGCGGCCTGA	GCCTCCAGCC	CCGGCCCGCAG	GTGCCGCCGC	AGCACGCGCA	CCTGGAGCGC
	58321	GTGAGTTTT	AGCTGGGCGA	GCTTCCCCAG	GCCGATCTGG	GGGTCGCATC	GTCGAAGCAG
	58381	CTCTAGCTGA	AAAACGTACG	TCTGTACCTG	CCCGAGCAGG	GCCAACAGTT	TCTGTGGGC
45	58441	CGCAGTGGGC	TCGGAAACCG	CGGGCGGGGG	CGCGGCCGCC	ATGGCGAGTC	ACCCGGCCGT
	58501	GCTGTGGTTT	AGTTAAGGTT	TGGGGGGGGG	TGGGTCAGAG	GGCGCCCCCG	CGCGGACTGA
	58561	TGCGCGGGCG	GGCCCCCTGAC	ATCCCCCTTT	TATGCCCGTC	GCCCGCCCCG	CCGCCCCCGCC
	58621	GGTGTGCCGT	GATTGCGGA	GTGGGGGCCT	TGTGTTTCTT	TCTTTCCCCC	CCGAATCCGT
	58681	TCTTCTTCC	TCACCCCCCC	CTCCCCACAC	ACCCACCCAG	GACTGCCAC	CACAAGGAGG
50	58741	CGAGAGCCCC	TCGCTAACCC	AAAGACACAG	TCACGAGACA	CGATATCGAC	TGTAGTTGCG
	58801	ATCGTTTATT	TTATACACAA	CACCAACCTT	TCCCTCGACC	CCCCCCCACCC	CCGCCCCCTAG
	58861	AGCATATCCA	ACGTCAGGTC	CTTTTCTCC	GGTGGTCCCT	CCCCAAACGG	ATCGTCGCCG
	58921	TGAAACGCC	GCTTTGGGC	GACGCCGGCC	GCCCCCGCCG	CCGCGGCCAA	ACCGCCGAAC
	58981	GACGCCCGT	GGTCATCTC	GTGCCCGAAA	TCCCCAAAGT	TAAACACCTC	CCCGGGCGGCC
55	59041	CCGAGCTGGC	TGACCAGGGC	CTCCGCCTCG	TGGGCCACCT	CCAGGGCCGC	GTGGTCGAC
	59101	CACTCGCCAT	GCCCAGCGTC	CAGGGCGCGG	GTGGTAAACT	CCATCATTT	CTCGCTCAGG
	59161	TACTCGCTCT	CCAGCAGCGC	CAGCCAGTCC	TCGATCTGCA	GCTGCTGGGT	GCGGGGGCC
	59221	AGGCTCTTGA	CGGTGCGCAC	AAACACGCTG	CTGGCGACCG	CCGCCCCGCC	CTCCGCAATG
	59281	ATGCCCCGG	GCTGCTCGCA	CAGCGAATGC	TCGTGGGCC	CGCCCCCGAG	ACTCGACGCC
	59341	GCGCACACAA	ACCCGGCCCT	GGGGCAGGCC	AGGACAAACT	TGCGGGTGC	GTCAAAGATC
	59401	AGCAGCGGGC	ACGCGTTTT	GCGCCCCAGC	AGGCTGGCCC	AGTTCCCGGC	CTGAAACACG
	59461	CGGTCGTTGC	CGGCCATGCC	GTAGTATTG	CTGATGCTGA	GGCCAGCAC	GACCATCGGG
	59521	CGCGCGGCCA	TCACGGGCCG	CAGCAGGTTG	CAGCTCGCGA	ACATGGACGT	CCAGGCGCCG
	59581	GGGTGCGCGT	CGAGGGAGTC	CATCAGCGCG	CGGGCCCCGG	CCTCCAGGCC	CGCGCCGCC
	59641	TGCGGGGCC	AGGCGGCCGC	CGCCTGCACG	CTGGGGGAC	GGCGGGACCC	GGCGATGACG

	59701	GCCGTGAGGG	TGTTTATGAA	GTACGTCGAG	TGGTCGCAGT	ACCTCAAGAT	CTGGTTGGCC
	59761	ATGTAGTACA	TGGCCAGTTC	GCTCACGTTA	TTGGGGGCCA	GTGGATAAAA	GTTAATCGCG
5	59821	CCGTAGTCCA	GGGAGAACCT	CTTAATGAAC	GCGATGGTCT	CTATGTCCTC	GCGCGACAAG
	59881	AGCCGGCGG	GGAGCTGGTT	GCGCTGGAGG	GCGGTCCAGA	ACCACTGCAG	GTTCGGCTGG
	59941	TTCGACCCCCG	GGGGCTTGCC	GTTGGGAAAG	ATGACCGCGT	GAIACTGCCT	CAGCAGGAAG
	60001	CCCAGCGGTC	CGAGGAGGAT	GTCCACGCGC	TTGTCGGGCT	TCTGGTAGGC	GCTCTGGAGG
10	60061	CTGGCGACCC	GCGCCTTGGC	GGCCTCGGAC	GCGTTGGCGC	TCGCGCCCCG	GAACAAACACG
	60121	CGGCTCTTGA	CGCGCAGTTC	CTTGGGAAAC	CCAAGGGTCA	CGCGGGCAAC	GTCGCCCTCG
	60181	AAGCTGCTCT	CGGCGGGGGC	CGTCTGGCCG	GCCGTTAGGC	TGGGGGCGCA	GATAGCCGCC
15	60241	CCCTCCGAGA	GCGCGACCGT	CAGCGTCTTC	GCCGACAGGA	ACCCGTTGTT	GAACAGGTCC
	60301	ATGACGCGCC	GCCGCAGCAC	CGGTTGGAAT	TGATTGCGAA	AGTTGCGCC	CTCGACCGAC
	60361	TGCCCGGCAGA	ACACCCCGTG	GCACTGGCTC	AGGGCCAGGT	CCTGGTACAC	GGCGAGGTTG
	60421	GACCGCCGCG	CGAGGAGCTG	CAGCAGGGGG	CACGGCCCGC	AGGTGTACGG	GTCCAGCGAC
20	60481	AGCGACATGG	CGTGGTTGGC	CTCGGCCAGA	CCGTCGCGGA	ACTTAAAGTT	GCGCCCCCTCG
	60541	ATCAGGGTGC	GCATCAGCTG	TTCCACCTCG	CGATCCACCA	GCTGCTTGAT	GTTGTTCAACC
	60601	ACCGTGTGCA	GGGCCTCGCG	GTTGCCGATA	ATCGTCTCCA	GCCTCCCCAG	GGCCGTGGGC
	60661	ACCGCCTGGT	CCACGTACTG	CAGGGCCTCG	AGCTCGGCCA	TGACGCGCTC	GGTGGCCGCG
25	60721	CGGTACGTCT	CCTGCATGAT	GGTCCGGGTG	TTCTCGGACC	CGTCCGCGCG	CTTCAGGGCC
	60781	GAGAAGGCAGG	CGTAGTTCCC	CAGCACGTCG	CAGTCGCTGT	ACGCGCTGTT	CATCGTTCCG
	60841	AAGACCCCAA	TGGCCCCCG	GGCGGCGCTC	GCGAACTTGG	GGTGGCGGGC	CCGCAGCCGC
	60901	ATCAGCGTCG	TGTGCGGCCA	GGCGTGGCGG	GTCTCGAAGG	TACACAGGTT	GCAGGGCACG
	60961	TCGGTCTGGC	CCGAGTCCGC	GACGTAGCGA	AACACGTCCA	TCTCCTGGCG	CCCGACGATG
30	61021	ACTCCGCCGT	CGCAGCGCTC	CAGGTAAAAC	AGCATCTTGG	CCAGCAGGGC	CGGAGAGAAC
	61081	CCGCACAGCA	TGGCCAGGTG	CTCGCCGGCG	AACTCTGGG	TTCCGCCCCAC	GAGGGGCGCC
	61141	GTGGGGCGCC	CCTCGTACCC	GGGCACACAG	TGGCCCTCGC	GGTCCAGCTG	CGGGTTGGCC
	61201	GCCACGTGCG	TGCCGGGCAC	GAGAAAGAAG	CGGTAAAAGG	AGGGCTTGCT	GTGGTCTTGT
	61261	GGGTCCGCCG	GCCCGGCGTC	GTCCACCTCG	GTCAGGTGGA	GGGCCGAATT	GGTGTGAAC
	61321	ACCATGGCGC	CCACGAGGCC	CGCGGCGCGC	GCCAGGTACG	CCCCGACGGC	GCCGGCGCGG
35	61381	GCCGCGGGCG	TTTCCTGGCC	CTCAAGCAGG	GGCCACGTGG	TGATGTCCCC	GGGGGGCTCG
	61441	TCAAAGACCG	CCATCGACAC	GATGGACTCC	AGGGCCAGGG	CGGCGTCGCC	CGCCATCACC
	61501	GAGGCCAGGC	GCTGCTAAA	CCCGCCCCGCC	GGGCCCTTGT	TCCCGGGCGTC	GCGCGCGCCC
	61561	CGCTGGGCT	TACCTCTGGCT	GGCCTCGAAG	GCCGTGAACG	TAATGTCCCC	GGGGAGGGCC
	61621	GCGCCCTCGT	GGTTTCGTC	GAACGCCAGG	TGGGCGGCCG	CGCAGGCCAC	GGCGTCCACG
40	61681	TTCCGGGCAC	GCAGGGCCAC	GGCGGCGGGC	CCGACGACCG	CCTCGAACAG	CAGGCGGGCG
	61741	AGGGGGCGGT	TGAAAAACGG	AAGGGGGTAG	TTGAAAATTCT	CCCCGATCGA	TCGGTGGTTG
	61801	CAGTTAACCG	GATCGGGCAT	GACCCGGCTA	AAATCCGGCA	TAAACATCTG	CAGCGGATAC
	61861	ACGGGGATGC	GGTGAACCTC	CGCGTCCCCG	ATGGTTACCT	TGTCCATCCC	GCCCAGATGC
	61921	AGGAAGGTGT	TGCTGATGCA	CACGGCCTCC	CGGAAGCCCT	CCGTGATCAC	CAGATACAGC
45	61981	AAGGCCCGGT	CCGGGTCCAG	TCCGAGCCGC	TCGCACAGCG	CGTCCCCCGT	CGTCTCGTGC
	62041	TTTAGGTCGC	AGGGCCGGGG	CGCGTAGTCC	GCGAAGCCAA	AATGCGGGCG	CGCCCGCTCG
	62101	CAGAGCCGCG	TCAGGTTGGG	GGCCTGGGTG	CTGGGGGCCA	GGTGGCGGCC	GCCGTGAAAG
	62161	ACGTAAACGG	ACGGGCTGTA	GTGCGAGGGC	ATAAGCTTGA	GGGACACCCG	GGTCCCCCCC
	62221	AGGCCCGTCG	TGCGGGACCC	GACGACCGCG	GCCACGTTGG	CCTCAAAACCC	GCTCTCCACG
	62281	GTCAGGCCGA	CGATGAGGGG	CGCGACGGCG	ACGTCCCGCT	CGCCGCTGCG	CGCCGACAGT
50	62341	AGCGACAGCA	GCTCCAGGCC	TTCGGCCGGA	CAGGCGCGGC	CATACACGTA	CCCCATCGGC
	62401	CCC GGAGGAA	CCTTGACGGT	GGTCGTCGTT	TTGGGCTTGG	TGTCCATGGC	TTTCGGGAGA
	62461	TCGGCGACCG	GCAGGAACGG	GGGCCCCGGCA	AGACGACCGG	GGGCAGACGG	GGGAGGCCGC
	62521	GGCTGGTCGA	CGGCTGCTGC	CCGCCGTGCT	CTCTCCGATG	GGGTCGAATG	CCGGCGCTGG
	62581	GGGTGGGGTC	TACACCGCC	CGTTCGCCGA	GGGGCCCCCTG	GTGGGGGTGG	GATGGGGTGGG
55	62641	ATGGGGTGGG	CGAGAATGGC	CCGCCACCGG	ATCGCGCCGG	ACGGGGGGGC	CCGGGGTTGG
	62701	GCAAGGTTTG	GGCGCAAGGC	TCCAGCGGCC	ATTCGAGAGG	CCTGCGGATG	GCGGCCAGA
	62761	GCTGGGTATG	CTCGGCCGGG	GGCGGCCGGTA	TATGTACGGC	GTGCTGGGAG	GGCGGGCGTC
	62821	GGGCCCCGCC	CACGGTCCGC	CACGCCCGC	GCGTCATCGG	CAGGGGGCGT	GGCCGCCCTT
	62881	CTAAAAAAAG	TGAGAACCGC	AAGCGTTCGC	ACTTTGTCCT	AATAATATAT	ATACTATTAG
	62941	GACAAAGTGC	GAACGCTTCG	CGTTCTCACT	TTTTTAGAA	GGGCGGCCAC	GCCCCCTTTG
	63001	ACGTCACGCT	CACCCGGCG	GCCGGCCGCC	CATAAGCGCG	GCCTGCCGGG	CCGATAAAAAA
	63061	GAAACCGCGG	CGCCCCCGCG	GACACCACAC	ACTGGCTCTC	GAACCCCGGA	CGCGCAGAAG
	63121	GGACCCGGGC	GGGGGTCCGC	CGGTAAGAGC	CGGGGGGAAC	ATCGGCACCG	CCATCCCCACC
	63181	CCGAGCTGTT	GGGTGGCGGG	GTGGGGGGGC	TGGTGAGGCG	GTGGTGGGAG	GGGGCGGCCGT

	63241	ATAGCAGGAC	AACGACCGGC	GGCGATGTTT	TGTGCCGCGG	GCGGCCCGGC	TTCCCCCGGG
5	63301	GGGAAGCCGG	CGGCTCGGGC	GGCGTCTGGG	TTTTTGC	CCCACAACCC	CCGGGGAGGCC
	63361	ACCCAGACGG	CACCGCCGCC	TTGCCGCCGG	CAGAACTTCT	ACAACCCCCA	CCTCGCTCAG
	63421	ACCGGAACGC	AGCCAAAGGC	CCTCGGGCCG	GCTCAGCGCC	ATACGTACTA	CAGCGAGTGC
10	63481	GACGAATTTC	GATTTATCGC	CCCGCGTTCG	CTGGACGAGG	ACGCCCCCGC	GGAGCAGCGC
	63541	ACCGGGGTCC	ACGACGGCCG	CCTCCGGCGC	GCCCCTAAGG	TGTACTGCGG	GGGGGAGGAG
	63601	CGCGACGTCC	TCCCGTGGG	CCCCGGAGGGC	TTCTGGCCGC	GTCGCTTGC	CCTGTGGGGC
	63661	GGTGCGGACC	ATGCCCGCA	GGGGTTCGAC	CCCACCGTCA	CCGTCTTCCA	CGTGTACGAC
15	63721	ATCCTGGAGC	ACGTGGAACA	CGCGTACAGC	ATGCGCGCCG	CCCAGCTCCA	CGAGCGATTT
	63781	ATGGACGCCA	TCACGCCCGC	CGGGGACCGTC	ATCACGCTTC	TGGGTCTGAC	CCCCGAAGGC
	63841	CATCGCGTCG	CCGTTACAGT	CTACGGCACG	CGGCAGTA	TTTACATGAA	CAAGGCGGAG
	63901	GTGGATCGGC	ACCTGCAGTG	CCGTGCCCGC	CGCGATCTCT	GCGAGCGCCT	GGCGGCGGCC
	63961	CTGCGCGAGT	CGCCGGGGGC	GTCGTTCCGC	GGCATCTCCG	CGGACCACCT	CGAGGCGGAG
20	64021	GTGGTGGAGC	GCGCCGACGT	GTACTATTAC	GAAACGCGCC	CGACCCCTGTA	CTACCGCGTC
	64081	TTCGTGC	GCGGGCGCGC	GCTGGCCTAC	CTGTGCGACA	ACTTTTGCCC	CGCGATCAGG
	64141	AAGTACGAGG	GGGGCGTCGA	CGCCACCAACC	CGGTTTATCC	TGGACAACCC	GGGGTTTGTC
	64201	ACCTTCGGCT	GGTACCGCCT	CAAGCCCGGC	CGCGGGAACG	CGCCGGCCCA	ACCGCGCCCC
	64261	CCGACGGCGT	TCGGAACCTC	GAGCGACGTC	GAGTTAACT	GCACGGCGGA	CAACCTGGCC
25	64321	GTGAGGGGG	CCATGTGTGA	CCTGCCGGCC	TACAAGCTCA	TGTGCTTCA	TATCGAATG
	64381	AAGGCCGGGG	GGGAGGACGA	GCTGGCCTT	CCGGTCGCGG	AAACGCCCGGA	AGACCTCGTC
	64441	ATCCAGATCT	CCTGTCGCT	CTACGACCTG	TCCACCAACG	CCCTCGAGCA	CATCCTCCTG
	64501	TTTTCGCTCG	GATCCTGCGA	CCTCCCCGAG	TCCCACCTCA	GCGATCTCGC	CTCCAGGGGC
	64561	CTGCCGGCCC	CCGTCGTCCT	GGAGTTTGAC	AGCGAATTG	AGATGCTGCT	GGCCTTCATG
30	64621	ACCTTCGTCA	AGCAGTACGG	CCCCGAGTTC	GTGACCGGGT	ACAACATCAT	CAACTTCGAC
	64681	TGGCCCTTCG	TCCTGACCAA	GCTGACGGAG	ATCTACAAGG	TCCCGCTCGA	CGGGTACGGG
	64741	CGCATGAACG	GCCGGGGTGT	GTTCGCGGTG	TGGGACATCG	GCCAGAGCCA	CTTTCAGAAG
	64801	CGCAGCAAGA	TCAAGGTGAA	CGGGATGGTG	AACATCGACA	TGTACGGCAT	CATCACCGAC
	64861	AAGGTCAAAC	TCTCCAGCTA	CAAGCTGAAC	GCCGTCGCCG	AGGCCGTCTT	GAAGGACAAG
35	64921	AAGAAGGATC	TGAGCTACCG	CGACATCCCC	GCCTACTACG	CCTCCGGGCC	CGCCGAGCGC
	64981	GGGGTGATCG	GCGAGTATTG	TGTGCAAGGAC	TCGCTGCTGG	TCGGGCAGCT	GTTCTCAAG
	65041	TTTCTGCCGC	ACCTGGAGCT	TTCCGCCGTC	GCGGCCCTGG	CGGGGCATCAA	CATCACCCGC
	65101	ACCATCTACG	ACGGCCAGCA	GATCCGCGTC	TTCACCGTGC	TCCTGCGCCT	TGCGGGGCCAG
	65161	AAGGGCTTCA	TCCTGCCGGA	CACCCAGGGG	CGGTTTCGGG	GCCTCGACAA	GGAGGCGGCC
40	65221	AAGGCCCGG	CCGTGCCCTCG	GGGGGAAGGG	GAGCGGCCGG	GGGACGGGAA	CGGGGACGAG
	65281	GATAAGGACG	ACGACGAGGA	CGGGGACGAG	GACGGGGACG	AGCGCGAGGA	GGTCGCGC
	65341	GAGACCGGGG	GCCGGCACGT	TGGGTACCAAG	GGGGCCCGGG	TCCTCGACCC	CACCTCCGGG
	65401	TTTCACGTG	ACCCCGTGGT	GGTGTGGTAC	TTTGCCAGCC	TGTACCCCAG	CATCATCCAG
	65461	GCCCACAAAC	TGTGCTTCAG	TACGCTCTCC	CTGCGGCCG	AGGCCGTGCG	GCACCTGGAG
45	65521	GC GGACCGGG	ACTACCTGGA	GATCGAGGTG	GGGGGCCGAC	GGCTGTTCTT	CGTGAAGGCC
	65581	CACGTACGCG	AGAGCCTGCT	GAGCATCCTG	CTGCGCAGT	GGCTGGCCAT	GCGAAAGCAG
	65641	ATCCGCTCGC	GGATCCCCCA	GAGCACCCCC	GAGGAGGCCG	TCCTCCTCGA	CAAGCAACAG
	65701	GCCGCCATCA	AGGTGGTGTG	CAACTCGGTG	TACGGGTTCA	CCGGGGTGCA	GCACGGTCTT
	65761	CTGCCCTGCC	TGCACGTGGC	CGCCACCGTG	ACGACCATCG	GCGCGAGAT	GCTCCTCGCG
50	65821	ACGCCGCGT	ACGTGACCGC	GGCGTGGGCC	GAGTTCGATC	AGCTGCTGGC	CGACTTCCG
	65881	GAGGCGGCCG	GCATGCGCGC	CCCCGGTCCG	TACTCCATGC	GCATCATCTA	CGGGGACACG
	65941	GACTCCATT	TCGTTTG	CCGCGGCCCTC	ACGGCCGCGG	GCCTGGTGGC	CATGGGCGAC
	66001	AAGATGGCGA	GCCACATCTC	CGCGCGCGTC	TTCCTCCCC	CGATCAAGCT	CGAGTGCAGA
	66061	AAAACGTTCA	CCAAGCTGCT	GCTCATCGCC	AAGAAAAAGT	ACATCGGCGT	CATCTCGGG
55	66121	GGCAAGATGC	TCATCAAGGG	CGTGGATCTG	GTGCGAAAA	ACAACTGCGC	GTTTATCAAC
	66181	CGCACCTCCA	GGGCCCTGGT	CGACCTGCTG	TTTTACGACG	ATACCGTATC	CGGAGCGGCC
	66241	GCCGCGTTAG	CCGAGCGCCC	CGCAGAGGAG	TGGCTGGCGC	GACCCCTGCC	CGAGGGACTG
	66301	CAGGCGTTCG	GGGCCGTCTC	CGTAGACGCC	CATCGCGCA	TCACCGACCC	GGAGAGGGAC
	66361	ATCCAGGACT	TTGTCCTCAC	CGCCGAACG	AGCAGACACC	CGCGCGCGTA	CACCAACAAAG
	66421	CGCCTGGCCC	ACCTGACGGT	GTATTACAAG	CTCATGGCCC	GCGCGCGCA	GGTCCCGTCC
	66481	ATCAAGGACC	GGATCCCCGA	CGTGTACGTC	GCCCAGACCC	GCGAGGTAGA	GGAGACGGTC
	66541	GCGCGGCTGG	CCGCCCTCCG	CGAGCTAGAC	GCCGCCGCC	CAGGGGACGA	GCCGCC
	66601	CCAGCGGCC	TGCCCCTCCCC	GGCCAAGCGC	CCCCGGGAGA	CGCCCGTCGCA	TGCCGACCCC
	66661	CCGGGAGGCG	CGTCCAAGCC	CCGCAAGCTG	CTGGTGTCCG	AGCTGGCGGA	GGATCCC
	66721	TACGCCATCG	CCCGGGCGT	TCCGCTAAC	ACGGACTATT	ACTTCTCGCA	CCTGCTGGGG

	66781	GCAGGCCCTGCG	TGACGTTCAA	GGCCCTGT	TTT	GGAAATAACG	CCAAGATCAC	CGAGAGTC	CTG
	66841	TTAAAGAGGT	TTATTCCC	GACGTGGC	AC	CCCCGGACG	ACGTGGCC	CGCGC	TAGG
	66901	GCCGCGGGGT	TCGGGCC	GGGGGCC	GCTACGGC	AGGAAACT	TCGAATG	TG	CG
5	66961	CATAGAGCCT	TTGATACT	AGCATGAGC	CCC	GTCGAA	GCTGATGT	CGC	CATCTTG
	67021	AATAAATGTC	TGCGGCC	ACGGTCG	TTT	CCCGC	CGCTGG	TCT	CGCTT
	67081	GTCTGACCAC	GAGCACAA	GTGCTCTG	ACAC	GTGGC	GGCGAAC	TAGCC	GGGGC
	67141	ACGCCGTAG	CATCCGATCG	ATGAGCC	AGTGC	CAGGT	GGCCGAC	CCGGG	AAGA
	67201	TGACGGTACAG	CATGTGGCC	CCGTACGT	GGT	CCGGGTA	AAAAAGAA	CGGGG	TGCG
10	67261	ACGCC	TCGGCGC	AGTCGTG	CGAAA	AAAGAG	CTCGGGCT	CCGAGC	GTAT
	67321	CGGCCAGGAG	GTCCTGG	AGGGTGCT	GGCGG	TGCGC	CAGCACG	AGGGAGG	CCA
	67381	GAAAGGTGCG	GTGCTAA	AGTGTATTG	TCTGCTG	CA	AGGCCAGG	ATGAGG	CCT
	67441	CGCGGCTGAC	GGTGGCC	CGCCC	CCGCG	TGCA	CGCGGGC	CAGCCCC	GA
	67501	TCCCCAGGTA	GTAGCCC	CCCGAGAGG	TCAGG	CAGTT	GTGCGCAC	GTCTGG	TCCA
	67561	GGCTGAAGGG	GAGCGAC	AGCG	GGGGT	CGTCT	TCACCAGGG	CACGGAGA	GACG
15	67621	TGGCGATCTC	CTCGGAGG	GTCTGGC	GGGCG	GCGA	GAAGCCG	TAGCGAC	GGC
	67681	GCTCGTGCAG	GCAGAGC	TGCG	CGTGC	ACGG	CAGGCT	CGGGAGG	CCC
	67741	GGCGCTCAC	GCCGGG	CCGGCG	AAAAGCG	CGCGC	GGCGC	GTCTTGT	CGC
	67801	GGCCGGGCC	GGGCGGG	CCGGAGC	GGGGG	GCGAT	GTCATAC	GGTACAGA	GGG
	67861	GTGTGCTCCA	GGGACAGG	AGAGATC	TGTCG	TCTGA	GCAGCGC	GGCCTCG	CGGG
20	67921	ACAAATGTGG	CCAGCGC	GGGCTTC	ACAAATAC	CTT	GGTACGT	GAAGGTG	TAG
	67981	ATGAGGGCCC	GCAGGGCT	ACAGACCC	CCCTCG	AACT	CGTTGCC	GGCCAAC	TTG
	68041	GCCTTGAA	GCTGCAGC	GTGCG	ATG	GGCG	GGTGGC	CAGGACCC	CAG
	68101	GGGTCGACTT	CCATCTC	GATGGCG	ATCGG	ATCG	AGAACATG	CTTGAAGA	TG
	68161	GCCTCGGGC	CCGCG	AAGCAGG	ACG	AACCG	CCCCGT	GGGCTCG	GCC
25	68221	TCGGGGTCCG	CCTCGAG	GTCCACG	GGCA	CTATG	AGTCGAAGA	GCTGGTGT	GG
	68281	TTCTCCGAGT	AGCGGAC	GGACG	AGGCG	TGGCC	CAGCCA	GTAGG	CCG
	68341	ACCAGCAACA	GATTG	CAGGC	ATTCC	CCG	CCGTG	CCCCG	CGC
	68401	TTCAGCACGG	TGGCCATC	CGGGCC	CAG	TCCAG	GTCGG	GTCTGGG	CTG
	68461	AACTGCGCAA	AACGCG	CGCG	ATGCG	CGCCC	CGCGGTG	TTCCCAGG	AC
30	68521	TCGCTGACCG	CGGCG	GGCGT	CCGCG	GC	GGCGCG	GCC	GGGCCC
	68581	ACGGCGGGG	TGCCG	CAGCAG	ATCAG	GGT	CGTACG	CGT	CTCCGG
	68641	TCACCCCCCT	GC	CCC	GGCG	GC	CTCGA	CCCCG	TTG
	68701	CGCGTGCAGC	AGCTG	TCC	GCCCC	CGC	TTGCC	TGCA	GGCG
	68761	CAGTCCTTCC	AGTT	CATC	GGCG	TGGT	AGGGAGG	CGT	TCGGCG
35	68821	GCCCCCGCCC	CCG	ATCG	CCCC	GAGG	CCAGGG	TCCCG	ATGAG
	68881	CGGGACTGCG	CGAGGA	ATAG	TTGGAG	TACT	GCACCT	TGGCG	CGGCC
	68941	GTCGGCCTGG	GTTG	CTTCTG	GGCGT	GGCG	CGCCG	CGCGA	AGCAG
	69001	CAGTGGAGAA	AGAAATG	CCG	GTGG	ATGTC	GGGCG	GAAGCG	CGCGA
	69061	CCGACAAGGG	TCG	CTT	GGT	CGC	AAGTGG	GTG	CCGAGG
40	69121	AAGGCGCCA	CGAAG	ATG	GCT	CGC	GGCGC	CCAGG	CACTT
	69181	AAACGCGTAAT	CGG	CCAC	CTGGG	CGAG	AGGCG	TAGG	CCTGTTG
	69241	GTGCGGCAGA	CCAGA	CAGG	CGGGT	CCAG	GCGAAGG	TGT	CGATG
	69301	GGCCCCGTGT	CCAAG	AGT	CC	CTCTG	GGT	CTG	CGAG
	69361	GGCCCCCGCC	CCCCC	GAAG	CTCG	CGCG	GCCCC	CGCG	GGGG
45	69421	ACGTCGCTCT	CCACG	TCT	GTG	AGCG	CTCG	GGCG	CAGAG
	69481	GCCGCCAGGA	GCTCG	GGCA	CAGG	GGC	CGC	GGCG	AGGCC
	69541	ACATACGGAC	GCTCG	AACG	CCC	CTC	CAG	CGC	GAAG
	69601	GGCGCGCTCG	ACGG	ACCC	GGG	CGGAC	TCG	CCG	GGGAC
	69661	CGTCCCGCGAA	CGT	TACGG	CGC	GAT	GACT	CGC	GAGG
50	69721	AGTCTAGACG	CGCG	CTACG	CTC	CGAGA	GGCG	GGG	AGG
	69781	GACATGACCC	CGGCC	AACT	AGAG	TTATA	ACG	CGG	CCGT
	69841	CTCTCGCGGA	CGC	AGCG	GGC	CTCC	CTG	CGT	ACTAC
	69901	GACGGCCCCG	CCG	CCCC	TACG	CAGG	ACCG	CGT	CTCG
	69961	CGAAAGCGCG	AACG	GGT	CGC	GGTC	AACCG	GTG	CTCG
55	70021	CGGGGCTGAC	GC	CGC	TTCG	GGGG	GGCACC	CCGACT	TGAA
	70081	GTAGGGGTG	GGGG	AAACG	CGC	ACCTTG	GGC	AGG	CCCT
	70141	ACGGCGGCCG	CCC	GGGG	GAC	CGT	CGAGG	GTCT	GTTC
	70201	CCGCCACGCT	GC	CGG	GGGG	GGT	GGGGAG	CGGG	CCCT
	70261	CGAGATGTG	CTT	CCAG	TT	CACGG	CCAGG	ATGGG	TCCG

	70321	ACGTCCCTGCG	GCTCATGAAC	GAATGGGCCG	ATGTGCCCTG	CAACCCCTAC	CTGCAGGTGC
	70381	AGAACACCGG	CGTTTCGGTG	CTGTTTCAGG	GGTTTTTAA	CCGGCCCCAC	GGCGCCCCGG
5	70441	GGGGCGCGAT	CACGGCGGAG	CAGACCAACG	TGATTCTGCA	CTCCACCAG	ACGACGGGAC
	70501	TGTCCCTCGG	AGACCTGGAC	GACGTCAAGG	GGCGCCTCGG	CCTGGACGCC	CGGCCGATGA
	70561	TGGCCAGCAT	GTGGATCAGC	TGCTTTGTGC	GCATGCCCG	GGTGCAGCTC	GGCTTCGGT
	70621	TCATGGGCC	CGAGGACGCC	GTCGCACGC	GGCGGATCCT	GTGTCGCGCC	GCCGAGCAGG
	70681	CCCTCGCCCG	TCGCCGCCGG	TCCAGGCGGT	CCCAGGATGA	CTACGGGGCG	GTGGTGGTGG
10	70741	CGGCGGCGCA	CCACTCTTCC	GGAGCGCCCG	GGCCGGGGGT	CGCCGCCTCG	GGCCGCCCCAG
	70801	CGCCGCCCGG	ACGGGGACCG	GCCC GTCCGT	GGCATCAGGC	CGTGCAGTTG	TTCCGGGCC
	70861	CGCGTCCGGG	CCCCCGGGCG	CTTCTGTTGC	TGGCGCGGG	GCTGTTCTG	GGGGCCGCTA
	70921	TCTGGTGGGC	GGTTGGCGCG	CGCCTATGAA	AGGGGGCGAG	CCACCGTCCC	GCCCCGCCAGT
	70981	GCATCCCAGA	CGCCCGCGAG	CCGCACATCC	CCTCCGCTCC	CGCCTCCGGC	CCGATTCTTA
15	71041	CGGCGCGACC	CAAGGTCCCG	ATGGCCGCC	CGCAGTTCA	CCGCCCCAGC	ACCATTACCG
	71101	CCGACAACGT	CGGGCGCTC	GGCATGCGCG	GGCTCGTGT	GGCCACCAAAC	AACGCTCAGT
	71161	TCATCATGGA	TAACAGCTAC	CCGCATCCGC	ACGGAACGCA	GGGTGCGGTG	CGAGAGTTTC
	71221	TTCGCGGGCA	GGCCGCGGCG	CTGACGGGAC	TCGGGGTGAC	CCACGCCAAC	AACACGTTCG
	71281	CCCCCAGCC	TATGTTCGCG	GGCGACGCCG	CGGCGGAATG	GCTGCGGCC	TCGTTCGGT
	71341	TTAACGCGAC	GTATTCCCCC	TTTGTGTTTC	GCGACCCCAA	GACCCCCAGC	ACCCCGTGAG
20	71401	TCCTCGGCCG	GTCCCTCCGC	GGCCGTCTCT	CGTTGCC	CTTTCCCCCT	TCCCCGGTGG
	71461	TTCAATAAAA	AACACCAACA	TACGATATT	CGCTTGATA	CGTTTATTGG	GGGGGGTGT
	71521	GGGCCAACG	ATCGGCATT	AACAACACCA	AACAATCGAG	CGCGTCTAAC	CCAGTAACAT
	71581	GCGCACGTGA	TGTAGGCTGG	TCAGCACGGC	GTTGCTGCGC	TGAAACAGCG	CCCTGCGGGT
	71641	CCGCTGCAGC	TGTTGTTGTA	TGCGGCGGCA	TGCGCGGATC	AAAACGCCA	GGGGCCTACG
25	71701	ACCGGTGCTT	CGTACGTAGC	GTCGCGACAA	GACGGCATT	GCCTGTACGG	GCAAGGGGCC
	71761	AAATTGCGAG	TGTGGTGACT	GGAGGGTGGTC	GGCGGCCAAT	GGGCCGGGTG	GTTCGTCGGC
	71821	GGGGGGCAAG	TGCGGTTCCG	GTGGGAGGGG	GTCGAGCGCC	TCGGTATCAT	CCGAGTCCGA
	71881	GAAACGCGAG	GAGTCTCGGT	CGGAGTGTTC	ATCATCGGAG	GAGATGTGCA	GCGTCTGAAG
	71941	CAGCGATGCG	GGTGGGGCGC	CGGAGTCGAC	GTGAAGCGCG	AGAGAGGAAG	CCACGAAGT
30	72001	CACAGCGGAC	ACTGGGAGGT	GGGTGTTTG	ATGTGTGGG	GACTCGGGCG	TCGGGACCGA
	72061	GTCTCGGCTC	TGGGGTGTAA	GCCTCCGAGT	TACGGCGGC	AGGGGCGGCT	GGGGCAGGGG
	72121	CGGCTGGGGC	AGGGCGGCT	GGGGCAGGGG	CGGCTGGGG	AGGGGCGGCT	GGGGCAGGGG
	72181	CGGCTGGGGC	AGGGCGGCT	GGGGCAGGGG	CGGCTGGGG	AGGGGCGGCT	GGGGCAGGGG
	72241	CGGCTGGGGC	AGGGCGGCT	GGGGCACCAGA	GCGCGCGCG	ATGCGCGTCC	GCGCGCGGGG
35	72301	TTTGGTCGCG	GGTGACTGGG	GTGGGGGGCG	GGGGCAACC	GGGCCTCCGG	GCACGACCCA
	72361	ACCGCACAAA	GGCTCGCTCG	GGGCAACCGG	GCCTGGGGC	AAAGGCGGGG	GGCTGGTCTG
	72421	GACGGCGGAG	GTCGGGGGGG	CAAGGCCCCG	AGAAGGCGGC	ACTGCGCCG	CTGCGCGGGA
	72481	AACCGCGGCC	CGCTGGTCGG	CTGGGTCCCG	GGGAGAGGGG	AGGGAGTTCA	ACGAGGCCGA
	72541	GAGCGAGGCG	ACCGCGGGGC	CGCTGAGGCG	CGGGGGTGGG	CCGGCCGCGG	GGCCCCGGGG
40	72601	GGGTGTCGGC	GAGGGACCCG	CTGTTGTCG	GCGGCGGCCG	CGGCGGCCGGT	CGCCCCCGGG
	72661	GACGACCGCT	CCTTCGGCGG	GGGGAGGCCG	GATGGCGCG	AGCGTGGGGG	CGGGAAAGGC
	72721	CCCGCGAGCC	GAGGCGGGGC	CGGGCGGAAG	GGGCAAAGCA	AAACCCAAAG	CCGGGGCGC
	72781	GGACTCCGGG	GTGGGCGGCT	GGTCGGGAGG	ACGCGCGGA	CGGGCGACCG	GGGGCAGACGG
	72841	GGCGGGGAGT	GCCGGCGGAC	GCAACCCCTC	GGGGGGGGCG	GAGGCCCGGG	GCGCGCGCGA
45	72901	TTTGGCACGC	GTCCGGCGGG	ACCTGCGCAC	GCGCGGCACG	CGGGCGGAGA	AAGCGGCCGG
	72961	AGAGCCGGAA	AAGGCCGGGG	GAGGAAGCGC	GGCATCCGCG	GGGGGACTCG	GTGTGGGTG
	73021	CGAGGGCCGT	GGGTCGTCG	GAGGGGCCAC	GGGCACGCGC	CCCGTGT	GTTGAGGCGG
	73081	GACACTCGGT	CGTGTTCG	GAGCCGTAGC	TGCCGGCCCG	ATGGGCCGCG	GTGCGTACTG
	73141	GGACGTGGGG	ACGGACTGAT	CGGTGGCGGG	GGGGGAAAGA	AGGGCCGGGG	CCGGATTGGG
50	73201	CGTGGGGCCG	CGGGCGTCGT	CGGACGCCAG	CTCCTCCAGG	CCGTGGATCC	AGGCCAACAT
	73261	GCGAGGGGGG	ACGGGCTCGC	CGGTGGTGGC	GTCGGTGAGG	AGAGTGGGGG	CGAGGACCCC
	73321	CGGGTCCGCC	TGCCGTGCGG	GGGGGGCAGC	GGGGTCCCTCG	GGACCCGATC	CGCCATCCCC
	73381	CCCCCGCAAGG	TCCC CGGGGT	CGCGGGCGGC	GGTCGGGGCA	GAGGGACCTG	CCTCGTCGGC
	73441	GAGGGGGCGC	TGGTAAACCG	GGTGTCCCGG	GAACAGCTCC	CCCGTCAGGA	GGGAGGCCGTC
	73501	GAAGGGCCGC	CCGAGGATGG	CCCGCGCGAA	GAAGGGGTCC	GCGTCGGCGG	CGCTCGCCGC
55	73561	GAGAACGTCC	CCCGCGGTAG	CCACAAACGG	AAGCTCTCG	GTGGCCTCGC	TGCCACAAA
	73621	CCGCACGTCA	GGGGGGCCGG	GGGGCTCCGG	GGCTTCCCAC	AAGACCGCGA	CCGGGGTCAT
	73681	GGAGATGTCC	ACGAGGACCA	GGCACGGGGG	CCCGTCGGCG	AGAGGGCGCT	CGGGATGAG
	73741	CGCCGACAGG	CGCGGGAGCT	GGCGCCGCCAG	ACACCGT	TCGATCGGGT	TGAGATCGGT
	73801	GTGGAGGAGG	CCGACGGCCC	ACGTCTCGAT	GTCGGACGAC	ACGACGTGCG	GCAGGGCGGC

	73861	GTCCGGCCCC	CCGGGGCGCG	AGTCGAAGAG	CGTCAGGCAC	AGTTCCAGTT	CCGACTCGCG
5	73921	GGAGAAGGCC	GTGGTGTTCG	GGAGCGCCAC	CACGACGGGC	GCGCCGAGGA	GCACCGCGGC
	73981	CAGAACCAAGG	TCCATGGCCG	TAACCGCGC	GGCAGGGGTG	CGGTGGGTG	CGGCGGCCAG
	74041	CACGGCCACG	TGCTGGCCC	TGGGTCGGTA	GAGGGCCTGG	GGGGCCTCGG	GGAGGGACGC
10	74101	CTCGCGCCCC	CCCGCCGGG	CGAGCGTCTG	GCCAGACTCC	AGGCGTCCGG	CCAGGAGGGC
	74161	GTCGAAGCTG	TCGTACTCGG	TGTAGTCGTC	GGGAAACATG	CAGGTCCACA	GCGCGGCCAA
	74221	AGCGCGCTC	GGCAGACACA	TGCGCCCGAG	GACGCTCACC	GCCGCCAGGG	CCTGGGCCGG
	74281	ACTGAGCTTC	CCGAGCGCCG	GGACGTCCCG	GCGCTGGGT	CCGAGCTCCA	AGGCCGAGCG
	74341	CCAGGGCGCC	AGCAGGGTCGG	TTTCGGACAG	CTTGCCCCGG	CGCCAGTCGG	CCAGCCGCGT
15	74401	GCCGAACAGG	AGGCCCGGGG	TCGGGGGGCC	TCCGTCCAAA	AACGTGGCA	ACACGCCGAT
	74461	GCGGGCGTCG	GGATGCGGGG	TCAGGCGCTG	GACGAACAGC	ATGGACTCCG	CTGCGTCCTC
	74521	GAACGCGCGT	TCGAGGGTGA	GGTGCATGTA	CTCGTGCTGG	CGAACGAGGT	CCAGGCGCCA
	74581	GAAGTTGTAG	ATGTGTTCCG	GAACGCCGGC	CACCAGCGCG	ACCAGCACGT	CGTTCTCGTT
	74641	GAAGGGCAGC	CAGTGGCGCT	GGGACCCCCG	GGGGCCCGGC	GCGGGACGCG	GCGCGCCGC
20	74701	TCCGGACGCC	CAGCCCAGCT	GGGCCAGCG	ACACCCAAAC	TCGCGCGTGA	GGGTGGTGGC
	74761	GACGAGGGCG	ACGTACAGCT	CGGCCGCCGC	GTCCATCGAG	GCGCCCCACG	TCGCTCTGGCG
	74821	ATGGCGCACG	AAGCGACCGA	ACAGCTGAAA	GTTGGCGGCC	TGGGCGTCGC	TGAGGGCCAG
	74881	CTGGAGCCGG	TTCACGACGG	TCAGCACGTA	CATGGCCGTG	ACCGTCGGGG	CCGATTGAG
	74941	GACGTCCGTC	GGAAAGGGGG	GCCGACAGCA	GGCCGCCCTG	GGACGCATCA	GCAGCGCGCC
25	75001	GAGTTGTGCG	GTGACGGCCG	GGAAAGCATAG	CGCGTACTGC	AGCGGGCGTTC	CGTCGGGGGC
	75061	AAAAAAAGCTG	GTGGCGAACG	GCAGATCCAG	AGCGCTGACG	GCCTCACGCA	GCACCAAGGGG
	75121	CCCCGGGTCT	CCGCCGGCGC	GCAGATAACGC	CTCGCCCCGG	GGCGCGCAGCA	GCTGCGGGTC
	75181	GACCTCGTGG	CCCTCGGGGG	AAGAAGAGGC	CCGGGCGCGG	GCGTCGAGGG	CGCGAAGATC
	75241	AACGAGCAGG	GGCGCGGGCG	CGGACTCCGC	GCCCAGCGCC	GTCTGGCCGC	CGGCCCTGGC
30	75301	GTACGCGCTA	TATAAGCCCA	TGCGGTATTG	GATGAGTTCC	CGCGCGCCCG	GGAACTCCTC
	75361	CACCGCCCAC	GGGGCCAGGT	CCGCGGCCGC	CGCGTCGAAC	TCCGCCAGCA	GGCCCCCCCAG
	75421	GGCGTCAAAG	TTCATCTCCC	AGGGCACCCCT	GCGCACCCACC	TCATCCCGCA	GCCGGGGCGA
	75481	CAGGGCGGTG	TGCTTGGTGA	CGCGCGCGCC	CAGCTCTCC	ACGGCCTCCG	CGCGCTCGGC
	75541	GCCCTTGGCG	CCCAGGACGC	CCTGGTACCT	GGCGGAAAGG	CGCTCGTAGG	CCGGCTGGGC
35	75601	CCGCAGCCCC	GACACCGTGT	TGGTGGTGTG	CTGCAGGGCG	CCGAGCTGCT	CGTGATGGC
	75661	GCGGAACCCC	TCGGGGGACT	TCCAGGCGCC	CCCCCGGACG	GGGCCAAAGC	GACCCCAGAC
	75721	CTCGTCCCAC	TCCGCCTCGG	CCTCCTCCAG	GGACCTCCGC	AGGGCGTCGA	CGCGCGCCGC
	75781	AGTATCAAAG	AGCGCCCCCA	GGCGGCCGGC	GTGCCGCGCC	AGGGGGCCGG	GGCGCTCGCC
	75841	GCGGGCGGGCG	CTTAGCGGGT	GGGTCTCGAA	GGTGCCTGTTG	GCGTGCTCTA	GCCAGATAAC
40	75901	CGCGGGCACG	TCGAGCTCGC	GGCTTTCTC	GGTCTGATCC	AACAGAACCT	CGACCTGGTC
	75961	GGCGATCTCC	GCCACCGAGC	GGCCCTGGTC	GAGCGTCTTG	GCCACGGTCG	CGGGGACGGC
	76021	GACCACCTTC	AGCATGGTCT	TGAGGTTGGC	CAGGCCCTCG	GCCTCGATCT	GGGCCCGGGC
	76081	CTCGCGCGCG	GCCAGCGCCT	CCCCAGGCC	CGCCATGACC	CGCTCGGTGG	CCTCCCGCGC
	76141	CTGCTGTTG	GGCGCACCAC	CTGCGTCCTT	GGTCTCGGCC	GTGTCTTGCC	GGGTACGAA
45	76201	GGCGACATAC	TCGGCGTAGC	CCGTGTTCTT	CACGGGCTC	TGGTCCACGC	GCTCCAACGC
	76261	CGCCCGCAC	GCGACCGAGC	CGTCCTCGCT	GGGACACGGC	AGGGTGACCC	CGGTCCGGAC
	76321	CAGCTCCGCG	GTGGCCTCCG	GGTCATTCCG	GGCCGCGGGAT	ATCTGCTCCG	GGGGCGCCGC
	76381	CAGGTCCAGG	GGCACGCCG	CGAGCGCCCG	GTGCACGTCG	GCCCGGGATGG	CGTCCAGGC
	76441	ATCGCGGAGC	TCCACGTAGT	CGGGCTAGCC	ATGTTGGAAAG	AACGGCACGT	ACCGGGCGAG
50	76501	GCGGGGCACG	CTCGTCATGT	CGTCCGCCAG	GCGCCCCACG	GCCTCGTGGT	AGTCGATAAA
	76561	CCCCTCGCCC	GCCTGGGCCA	TTTCCAGGAG	CCCCTCCGCG	ATGCGCAGCA	GCCGCGCCAG
	76621	GGGCTCGGGCG	TCGACCCGAA	ACATGTCGGC	GTAGGTTTCG	GCGCGGGCGT	GGAAACGCCG
	76681	GCTCCAGCCG	AGGGCGGTGA	TGGCGGCCAG	GGGGGGGAGC	ATGGGGTGGC	GCTGGTTCTC
	76741	GGGGGGTGTAG	GGGTTAAACG	CGAAGGCCGT	ATCCAGGGCG	AGGGTGACCG	CCTCGCGCTT
55	76801	GGCCCGCAGC	GCCTGCTCGG	CGCGCTTGC	GAAGTCCCGG	GGGTTGTAGC	CGTGCCTGCG
	76861	CGCCAGCGCC	TGCAGGCCG	GCAGCTCGAC	CACGTCGAAC	TCGGCGCGGT	TCTCGACGCG
	76921	GTCCAGCGCC	GCCTCGACGC	CGGGGGCCCA	GGCCTCGCTG	CTGCCCCGGG	CGCGCTGGGC
	76981	CGCCCATCTTC	GCCGTCAGGT	CGGCGACGGC	GGCCTCAAGT	TCGTCGGCGC	GGCGTCGCGT
	77041	GGCGCCGATG	ACCTTGCCCA	GCTCCTGCAG	GGCGCGCCCG	CTGGGGGAAT	GGTCCCCGGC
	77101	CGTCCCTTCG	GCCTGCAAGCA	GGCCCCCGAA	CCCAGCCTCG	TGCCCCGCCA	GGCTTTCCCCG
	77161	AGCAGCGGT	GTGCGCGGGG	CCGCGGCATC	GATGAGGGCG	GCATGGTCCC	CCTCCGGCTG
	77221	GGCGCAGGCC	CGGCGCGCCT	GGACTACCAAG	GTCGGCGGCC	GCGGACCCCA	GGGTCGTGAG
	77281	CTCGTCGATG	GCCCCCGCG	CCTCCAGGGC	CAGCCGAGTC	GCCTTTACAT	ACCCCGCGGC
	77341	GCTATCGGCC	AGCACCGCGA	GGAGGGACAG	GGGCGAGGCC	GGGTCGCGGG	CGGCGCGCC

	77401	CAGGGCCGAC	ACC CGC GTCCG	CCAGGGCGCC	ATGC GCC CGC	ACGGCCGCGT	CCACCGTCGC
	77461	CGC GGG ACTT	GCC GTCG CGA	CGG CGG CGCT	CCC GGCG TTG	ATGG CGTTG	ACACGGCTT
5	77521	GGC GATT GTG	GGGG CGT GAT	CGG AAA AGAA	CTGC ACAGG	ACC CGC GTCT	CGGGGGCGTC
	77581	GGC GAA CAGG	GTCT TCAGCA	CCACC ACAGA	GGCGGG ATGC	AGGCC GGGCCA	GAGCC GTCGC
	77641	GGT ATCC GGG	GTC GGG GTTT	CCAGGG CTC	CCGG TACT GC	CCC AGC AGCC	CCC ACAGGTC
	77701	CGCC CGC AGC	GCC GCG GTGA	CTT CCG GGGG	GGGG CCC CGG	ACGG CAT CGG	CCAGG TCGGT
	77761	CCAC CCC CGC	GGC AGGG AGG	CCC CGA GGGT	CGCC AGC ACG	GCC GGACACG	CCTT TAGCCC
	77821	CACAA AGT CC	GGG AGGG GGC	GCAGG ACCCC	TTGG AGT TTG	TGC AGGA ACT	TCTCC CGGGC
10	77881	GTC GTGGG CC	ACCT TGG CGC	GCT CCC CGC	GTC GTT AGC	ATCG CCT CC	GGG CGT GGGC
	77941	GCG CTCC CGA	AGC CGGG AGC	GCG CCT CC	AGC GAG CTCC	GCC GT CAT CT	TGG CGC CTC
	78001	CAT GGG C CT	GCCT GCG CGA	GCG CGT CT	GGCC AT CGC	GTGG CGT C	GGG ACAG CCC
	78061	GCCCC CGTC	ACGT AC GGG	CGGG CGC GT	CGCC CGG AC	AAGG CGC GT	CGCT GTCC
	78121	CTG CTG CGC	AGC GCG CG	CGAGGG CGT	GAAG CGC T	AGTT CGG CCA	GCCCC GAG CT
	78181	GCG CGC GCG	TGCT GGT C	TGAT GCG GT	GAT GCT CGC	GCC AGC TCT	CCAGGG GCTT
15	78241	GCG TT CGAT G	AGCCC CT GGG	TCG CGG CGT	GGTC AGG ACC	GAG AGC CAG	CCGCC CAGGTC
	78301	CTC GGGG GCA	TCT AGGG GCT	GGCCC CGC	GAG CAG G	CCG AGC AGG	TGG CTC GGGG
	78361	GCT GGT GGC	AGGG GGG GCG	GGGG GGG GAG	CGC GG CGC	TGAG CGA CGT	CCC CGT GTG
	78421	TTGGT CAA AAG	GGCG GTAG CG	ATT CCAG CAA	CTGG ACC ATG	GGC AC GAC	CGG CG GAGG
	78481	CAC GTG AAAC	CGAC AGT CG	GGCT GT CG	GGC CT CGC	GCCT TCG C	TGT ATAC GGC
20	78541	TCCCC CGT GG	AA GT ACT C	TGAC CG CG	CTCG AT CGC	CCG CGG G	GGAT CC GCA
	78601	GTC CCT CC	CGC GC CT G	TGG CTC CG	GCCC AGG CG	GGC GGG CAC	GGG CCT CGC
	78661	GCC CG CG C	GGGG CGG CG	GCAC GGG C	CAC GG TC	GGCC CGG CG	GCT GCG AGAC
	78721	CGAGT CG ACC	CCG CG GGG	GGG CGT CT	GGC CT CGC	ATCT CGC	CCT CGC CTC
	78781	GACCC CG ATC	TCT CG C	GGG CAA ACT	GGC AGC G	TGG AT CC	GGAG AAG CG
25	78841	CTC CGG GT	GTC GGG GT	CGGG GGC G	CAGGG TG	GGGT GGG CG	GCG AGC GCT
	78901	CAGG AGC C	TCT CC GAG	GTG CGT AC	ATT GG CC	GGGG CGG CG	GCAG CT G
	78961	ATCC AGG T	CCG AGG T	CGT AAA AGG	GTCC GT C	CGA ATA AAC	CCCT GG G
	79021	CAGG ACC A	TTAG CG AGG	CCAGG CG C	GAT CT CG	TTTT CGT C	GA CGT G
	79081	GAT GAG GGG	CGGT GGG CG	CCAC GT CC	CAGG CT	CGC GT G	CCAG GA AG
30	79141	CCC GAC CG	GT TTT GCG	GCAG CA TG	CAGG GT	AAG	TCC AGC AGG
	79201	GCC GGC C	CCGG C CT	TAT GCG T	GGCC CG	TTC	TCG AT CAAA
	79261	GCG CT CAA AAG	AAGA AGA TGA	CGC AGA G	CAAC AGC	CCC	GGG TCG C
	79321	CCG CAG GGG	TTG AT GGT	GCT CGA A	CGC GG C	ACC	TCG CGG C
	79381	GCG CG CG C	AGCC GG AC	CCG TGG CG	CAC AT T	GGG	TGG AC CT
35	79441	CAGG TCG CG	CCGG GGG G	CCGG GGG G	GGGG CG C	CCC	AGC GT CT
	79501	CGAC GAC G	CTCG CGG G	CGT CGT C	GCC GCG	CG	CCG GAC G
	79561	CGGT GCG G	GGG ACC GT	CGG CT AT	CGT CGG	GAG	GAG GCG G
	79621	GAC GGG G	TTCT TCT	GGCG GG ACT	CTT CT G	GGG	CCT TT G
	79681	GGCG GG C	TCG CCC	AGG TCA CT	CAC GCT	CG	GGT GGG T
40	79741	GC GG CG CT	GGCA AG CG	TAGA AT AG	CGCC CG	TGG	CG ACC CAC
	79801	CAC CT CC	ACCC CG C	AGGT CCT CG	TT CGG C	CG	GA CTC G
	79861	GGG CG GGG	GCG TCG G	GACCC GAG	CGC GG CG	TCC	GGG CG C
	79921	CGGG GT C	TCC AGG G	CTG CCC AC	ATCA TCG	GGG	GGG CG G
	79981	CTG CG GT	TCGG GT	CCG AGG C	CCGG GGG	GCC	TG GGG G
45	80041	AGGG GT CT	ACGT GGG	GCG CG G	CGCG GGG	AC	CCGG G
	80101	GT CCCCC C	GGG ACC AC	CGAC AA AG	CGCC CG	AG	CCCT TCT
	80161	GGGG TGG	ATGG CC	ACG	CGAC G	CC	CCCC G
	80221	GGCC CG	TAG GT	CGC G	GGCG T	CG	GGT C
	80281	GGAG GG	AAAA ACAC	CA	CGAG T	CC	GGG CG
50	80341	ATAC GT C	TAC GGG	TACA	CGT CG	CC	GGG G
	80401	CGC GGG	CCG	TG G	GGCG T	CG	GGG G
	80461	GCC CAG	GGG	CGA	GGCG T	CG	GGG G
	80521	GAAG AAC	GTG	CGC G	GGCG T	CG	GGG G
	80581	GCC CAC	CTG	ACAC	GGCA AA	AG	GGG G
55	80641	CTCC AGG	AA	TTG G	CGA TA AT	GC	GGG G
	80701	CGC GCG	CGT	CG	ACAT CC	TC	GGG G
	80761	GTC GCG	CCC	ACG	TG	ATG G	CG
	80821	TAC CGA	CCC	GGC T	GG	AC T	CG
	80881	ATCG CGA	CC	TG G	GG	AG G	TC

	80941	CGCGCCCGCC	ACGAGCAGGGG	CCTGTTTATG	GGCCGGCGT	CCCGATGAGT	ACTGTTGTT
	81001	CCGCCGCCG	AACCCCCCG	CCCATCAACC	GCCTGTTCGT	CCCCCTAAC	ACACACCCGG
	81061	TATCGCGTGT	GTGTGGTTTC	CCGGGAAGAC	ACATCCCACC	CCATGAAGTT	TTGCCCTTT
5	81121	TTTCCGTCCC	GACTACGCC	ACCTTCCAC	CCCCCCCCAA	AAAAACAACA	ACCAACTCCC
	81181	AGATGGATGG	GTGCGATAAT	AAAGCTTTAT	TATTGTTAA	CAAAGGCAGA	GTCCTACGGG
	81241	TGTACCGGTG	GTGTCTCCTG	CGCGTCATC	TCGTCGTCCT	CCACGGGGGT	GTTGGGCCAA
	81301	GGGACCGTCT	CGCGGCCCGC	CGGGCGCGTC	GACGGCGCGC	GGGCCTGCGT	GTCCTGTGGG
	81361	CGGGGTGTGCG	TGGGTTCGGG	GGTGCATACCG	CCGGCATCTT	GGGCCTCCAG	GTCCCCGGGG
10	81421	GCCCCCGGGC	CGGCGGAAGG	CCGAAACGCC	GAGGCGCGAA	ACACGCCGTC	GGTGACCTGC
	81481	AGGAGCTCGT	TTATTAAATAG	CCAGTCCATG	CTCAGCGTAG	GGGCCAGCCC	CTGGGGAGAC
	81541	AGGTCCACGG	AGTCCGGAAC	CACCGTCGGC	TGACCCAGGG	GCCCCAGGCT	GTAGTCCCCC
	81601	CAGGCCCCCA	GGTCATGACG	GTTCGTGAGC	ACGACGAGGT	CTGCGGCCGG	GCTGGGGGGC
	81661	GCGTCCTCGG	TCGCGTGGGC	CATCACCTCC	TGAATGGCTG	GGTGCCTGCTG	ATCGGCCGAG
15	81721	CTGGCGAAGC	GCGCCACGAC	CAGCGCGCGC	TCCGTCGCA	GGCCCTTCCA	CGTGTGCGTGG
	81781	AGTTCCTGAA	CGAACCTCGGC	CACCCGCTCG	GGGCCCCGTGG	CCGCGCGTGC	GCCCTGATAG
	81841	CGGGCCGAGA	GGCGCCGCCA	CGCGGCCAGG	AACTGACTCA	TGTAACAGAA	CCCGGGGACC
	81901	TGGTCCCCCG	ACATCAACTT	TGACGCCCTG	GCGTGGATGC	CCGACACGAT	GGCCAGGAAC
	81961	CCGTGGATTT	CCCGCCGCAC	GACGGCCAGC	ACGTTACCCCT	CGTGCAGAGAC	CTGGGCCGCC
20	82021	AGCTCGTCGC	ATACCCCGAG	GTGCGCCGTC	GTCTCGGTGA	CGACGGACCG	CAGCCCCGCG
	82081	AGGGACGCGA	CCAGCGCGC	CTTGGCGTCG	TGATACATGC	CGCAGTACTG	GTCACCGCG
	82141	TCGCCCATGG	CCTCGGGCG	CCAGGGCCCC	AGGCGCTCGT	GGCGCTCTGC	GACCACGGCG
	82201	TACAGGCGGT	GCCCCTCGCT	CTCGAACCGG	CACTCAAAGA	AGGCGGGCGAG	CGTGCACATG
	82261	TGCAGCCGCA	GCAGCACCGAT	CGCGTCCTCC	AGCTGGCGGA	CCAGGGGGTC	GGCGCGCTCG
25	82321	GCGAGCTCCT	GCAGCACCCC	CCGGGCCCGCC	AGGGCGTACA	TGCTGATCAG	CAGCAGGCTG
	82381	CTGCCACCT	CGGGAGGCTG	GGGGGGGAGGC	AGCTGGACCG	GGGGCCGCAG	CTGCTCGACG
	82441	GCCCCCTGG	CGATCACGTA	CAGCTCGCGC	AGCAGCTGCT	CGATGTTGTC	GGCCATCTGC
	82501	ATCGTGGGCC	CGACGCCGGC	CCGGGTGGCC	GGTTCGAGGA	GGGTGATCAG	CGCGCCCAAT
	82561	TTTGTGCGGT	GCCCCTCGAC	GGTGGGGAGA	TAGCCCAGGC	CGAAGTCGCG	CGCCCAGGCC
30	82621	AGCACCCGCA	GGGCAAACCTC	GATGGGGCGG	GGCAGGGTAGG	CAGCGTTGCA	CGTGGCCCTC
	82681	AGCGCGTCCC	CGACCACCG	GGCAGCACG	TAAGGGACGA	ACCCCGGGTC	GGCGAGGACG
	82741	TTGGGGTGGA	TGCCCTCCAG	GGCCGGGAAG	CGGATCTTGG	TGGCCGCGGC	CAGGTGAACC
	82801	GAGGGGGCGT	GGCTAGGCGG	CCCGACGGGG	AGCAGCGCGG	ACAGCGGGGT	GGCCGGGGGTG
	82861	GTGGGGGTCA	GGTCCCAGTG	GGTCTGGCCG	TACACGTCGA	GCCAGATGAG	CGCCGTCTCG
35	82921	CGCAGGAGGC	TGGGCTGGCC	GGCGCTGAAG	CGGCGCTCGG	CCGTCTAAA	CTCCCCCACG
	82981	AGCGTGCGCC	GCAGGCTCGC	CAGGTGTTCC	GTCGGCACGG	CCGGGCCCAT	GATGCGCGCC
	83041	AGCGTCTGGC	TGAGGACGCC	GCCCGACAGG	CCGACCGCCT	CACAGAGCCG	CCCGTGCCTG
	83101	TGCTCGCTGG	CGCCCTGGAT	CCGCCGGAAAC	GTTTTCACGT	AGCCGGCGTA	GTGCCCCGTAC
	83161	TCCCGCGCGA	GCCCCAACAC	GTTCGCCCCC	GCAAGGGCAA	TGCACCCAAA	GAGCTGCTGG
40	83221	ATCTCGCTGA	GCCCCTGGCC	GGGGGGCGTC	CGCGCGGGCA	CCCCCGCCAC	AAAAAACCCC
	83281	TCCAGGGCCG	ATATGTAATG	GGTGCAGTGC	GGGGCGCTGA	ACCCCGCGTC	GGTAAGCGTG
	83341	TTGATCACCA	CGGAGGGCGA	GTGCGTGTTC	TGGACCAAAG	CCCACGTCG	CTGCAGCAGC
	83401	GCGAGGAGCC	GTTGCTGGC	CCCGGCGGGAG	GGCGGCTCCC	CTAGCTGCGAG	CAGGCCGGTG
	83461	ACGGCCGGAC	GGAAGATGGC	CAGCGCCGAC	GCACTCAGAA	ACGGCACGTC	GGGGTCGAAG
45	83521	ACGGCCCGT	CCGTCCGCAC	CGCGGCCATC	AGCGTCCCCG	GGGGCGCGCA	CGCCGACCGC
	83581	GGGCTGACGC	GGCTTAGGGC	GGTCGACACG	CGCACCTCCT	CGCGACTGCG	AACCATTGG
	83641	GTGGCCCTGA	GGGGCGGGAT	CATGATAGCC	GGGTCGATCT	CCCGCACCGT	GTGCTGAAAC
	83701	TGGGCCAGCA	GCGGCGGCCG	GACCAACGCG	CCCCGATCGG	GGGTGCGTCAG	GTAGTCGTC
	83761	ACCAGCGCCA	GCGTAAACAG	GGCCCGCGTG	AGGGGGTCA	GGGCGGGCGTC	GTCGATGCGC
	83821	TGTAGGTGCG	CCGAGAACAG	CGTCACCCAA	TTGCTGACCA	GGGCCAAGAA	CCGGAGACCC
50	83881	TCTTGCACGA	TGGGGACGG	GAAGAGCAGG	CTGTACGCCG	GGGTGGTCAG	GTTGGCGCCG
	83941	GGTTGCCCCA	GGGAACCGG	GGACATCTTA	AGCGACATCT	CCCCGAGGGC	CTCCAGGGAG
	84001	GTCCCGGGGT	TCATGGCCAG	GCAGCTCTGG	GTGACGGTCC	GCCAGCGGTG	GATCCACTCC
	84061	ACGGCACACT	GGCGGACGCG	CACCGGCC	AGGGCCGCCG	GGGTGCGCAG	CCCGGCGGCC
	84121	TCCAGCGCGT	GGGTGCGTGC	GGAGCGGGTG	ATCGCCAGGA	CCGTGTCCTT	GATGACGTCC
55	84181	ATCTCCCGGA	AGGCCGCCTC	GGGGGTCTCG	GGGAGCGCCA	CCGCCATGCG	GTGACCGAGC
	84241	AGCCCCGGGA	GGTCTCGGC	CAAGAGCGCC	GTCTCCGGAA	GGCCGTGGGC	CCGGTGAAG
	84301	GCGCACAGTT	GCTCCAGGAG	CGGGTGCCAG	CACGCCCGCG	CCTCCGCGGG	GCCGACCGCC
	84361	GCGCCCGACA	ACAGAAACGC	CGCCGTGGCG	GCGTGCAGTT	TGGCCGCGGA	CAGAAACGCC
	84421	GGCTCGTCCG	CGCTGCCGC	C GGCTCGCTC	GAGGGGGAGG	CGGGCCGGCG	GAGGTTGGTC

	84481	AGGCTCCCCA	ACAGGACCTG	CAACGGTCCG	TTTGGGGGTG	GAGCGGACGG	GGGGGTCA	TG
	84541	CCGGCGGGCG	CCGGGACCTG	GAGCGCCTG	TCCGACATGG	CGACCGGGGT	GCGCGCTCG	G
5	84601	CGACGCCGCG	CGGAGACC	GGGCCAAAC	GGGAATGACT	GCCGCCGCC	TATA	ACGGAGG
	84661	GGCTAAGTAT	CGCCC	GGGG	CCCTTCGAAA	CCCCGGGC	GT	CGCAAGTA
	84721	GCGCGGCGTG	TTATACGGCG	CGTTATGTCC	CGGCATTCCG	TTCGTGGGTT	CGGG	CCCCGGGG
	84781	TGCTGTGGG	TGGGAGTGTG	TGTGGGGGGG	GGCGGCGCGA	CGGCGGCCCG	GACCA	AGTGT
	84841	ATCGCGGCCG	TTCCGTGGG	CGGCCAAACA	GGCCCTTAA	ACATTTGCGT	ATG	CACCGGGC
10	84901	CCAGCCAGTC	GGACACCGGA	ACCCACCAGA	GGCGGAAGCC	GCCTTCGCC	GTGAGGGTGC	
	84961	GTGTGTTTC	TGGTGGCGTG	TTTTCTTT	CCGCCCTCCT	CCCTCCCCAC	CTCC	ACCA
	85021	CCCCCCCACA	ACTCGCCCGT	TGGCGATCGG	CGGGAAAACC	ATGAAAACCA	AGCC	ACTCCC
	85081	GACAGCCCCG	ATGGCGTGGG	CCGAGAGTGC	CGTGGAAACC	ACCACCAGCC	CGCG	GAGC
	85141	CGCGGGCCAC	GCCCCGCTCC	GGCGCGTCCT	GCGCCGCCC	ATCGCTCGCC	GCGA	CGGGCCC
	85201	GGTGCTTTG	GGGGACAGGG	CCCCCAGGAG	GACGGCCAGT	ACGATGTGGC	TGCT	GGGGAT
15	85261	CGACCCCGCG	GAGTCGTCTC	CGGGAACCGG	CGCTACCCGA	GACGATAACCG	AGCAG	GGCGT
	85321	GGACAAAGATC	CTCAGGGGAG	CCCCGGCGCC	GGGAGGGCTG	ACCGTCCCCG	GCG	CCCCCCC
	85381	CTATCACCTG	ACCCGCCAGG	TAACCC	GGATCTCTGC	CAACCAAACG	CGGAG	CCGGC
	85441	CGGGCGCTC	CTTTTGGCCC	TGCGGCACCC	CACCGACCTC	CCCCACCTGG	CCCG	CCATCG
	85501	GGCTCCGCC	GGCCGGCAGA	CCGAGC	GGCCGAGGCC	TGGGGCCAGC	TCCT	GGAGGC
20	85561	CTCCGCCCTG	GGGTCCGGGC	GGGCCGAGAG	CGGCTCGCG	CGCGCGGGCC	TTGT	GTCGTT
	85621	TAACTTCTG	GTGGCCCGGT	GCGCCGCC	CTACGATGCG	CGCGACGCCG	CCGAGG	CGGGT
	85681	CCGGGCCAC	ATCACGACCA	ACTACGGCGG	GACGCGGGC	GGGGCGCGC	TGGAC	CGGTT
	85741	TTCCGAATGC	CTGCGGCCA	TGGTCCACAC	GCACGTGTTT	CCCCACGAGG	TCAT	GCGGTT
	85801	TTTCGGGGGG	CTAGTGTGCGT	GGGTCACACA	GGACGAGCTG	GCTAGCGTCA	CCG	CCGTCTG
	85861	CAGCGGACCC	CAGGAGGCCA	CACACACC	CCACCGGGC	AGGCCCCGTT	C	GGCCGTTAC
25	85921	CATCCCGGCC	TGCGCCTTCG	TGGACCTGG	CGCCGAGCTG	TGCC	CTGGGGG	GCCCCTGGGG
	85981	GGCGTTCTG	TACTTGGTCT	TCACCTACCG	ACAGTGC	GACCAAGAGC	TCTG	TTGCGT
	86041	GTACCGTGGTC	AAGAGCCAGC	TCCCCCGCG	CGGACTGGAG	CGGGCCCTCG	AGC	GGCTGTT
	86101	CGGGCGCTC	CGGATAACCA	ACACGATTCA	CGGGGGCGAG	GACATGACG	CCC	CTCCCC
	86161	GAACCGAAAC	GTTGACTTT	CGCTCGCGT	CCCCGGCG	AGCTCGCA	CCC	CGGGT
30	86221	CTCGCGGAGC	CAAGTCACGA	ACCCCCAGTT	TGTCGACAGG	CTGTACCGCT	GGC	AGCCGGA
	86281	TCTGGGGGG	CGCCCTACCG	CACGCACCTG	CACATACGCC	GCCTTCG	AGC	TGGGTG
	86341	CATGCCAGAC	GACAGCCCCC	GCTGTCTGCA	CCGACCGAG	CGGTTTGGGG	CGG	TGCGCTG
	86401	TCCGGTTGTC	ATCC	TGGAGG	GCGTGGTGT	GCGCGGCG	GGG	TGGCGGG
	86461	ATCGTCTATT	GACGACGGCC	GGCCAACCC	AGC	GACCTTC	CC	CTCCCCACT
35	86521	TACACACAA	CTCCGCC	CTGGCTT	CCGTGCG	CCCCGTGCG	CCG	TCTCAAT
	86581	AAAGCCAGGT	TAAATCCGT	ACGTGGTGT	TTTGGCGT	GTCTCTGAA	TGG	CGGAAAC
	86641	CGACATGAA	ATGGGATTCA	TGGACATGTT	ACACCCCC	GA	CTCAGGAG	ATAGG
	86701	CCTCCTTAGA	TTGACTCAGC	ACACGATCG	ACCCCACCC	TGTGTG	CCGG	GGATAAAAGC
	86761	CAACCGGGC	GGTCTGGGTT	ACCACAA	AG	GTGGGTGCT	CGGGG	ACTTG
40	86821	CTCTCCTGCG	AGCCCTCACG	TCTTCG	CCGATTCC	TTGCGTT	CTG	CGGCCGGT
	86881	GCTGCTCTG	CGACAGATTG	TTGGCGACTG	CCC	GGGTGAT	TCG	TGCGCTC
	86941	TCGGTCGTAC	CGCCCACCC	GCCTCC	ACCG	GGCCCGCG	TGTTT	CCGTT
	87001	GAGCCACCGT	CACCTTGGTT	CCAATGGCA	CCG	CCCTGC	CGC	ATCCG
	87061	CGCGGTCTCC	GTCCGAA	CAGGAACCC	GGGAGCCG	GGTC	CCCC	CGGGCG
45	87121	ACACGTGTT	TTGCA	GAGGAAA	GTCAGCG	TGATGGT	TTCC	AGCGAT
	87181	CCGCGGCC	CCG	CATTAGC	GACAGCAG	TTGTTCA	CGG	CTTCAAC
	87241	TAATCGACGG	AGACGTGGC	CGCGGTC	TGCGT	GACCT	CGA	GGGCGCT
	87301	GCGCCTCGT	CGCGAT	CTCA	AA	CGT	CCG	AC
	87361	CGCTCGCGG	AA	CTCGGG	CCG	TCCG	GG	ACG
50	87421	AGTTCTCCA	CGGG	AA	CC	GGG	GGG	ACCC
	87481	CCCCTCCTCC	CCC	CTT	CC	GGG	GGG	CCCC
	87541	GCGCCGAGAA	GGACGT	GGG	CCG	GGG	GGG	CG
	87601	AAACGGAGGA	CTCGGACT	TCGG	ACG	AGAC	CGA	CTC
	87661	CTTCGATCTG	GGCCG	CA	GCG	ACTG	CCG	AC
55	87721	ACGACTCCGT	GCAG	CCC	GAC	GTTG	CG	CGGCCCC
	87781	TGGCTTTCC	CAAG	CCC	CGG	CGT	CG	CGGCCCC
	87841	GCACCGGGCC	GGG	CT	CCG	GAC	CGA	CTGGCGCC
	87901	ACGCCGCC	ACCC	CAGG	CG	GAGT	CCG	GGGCC
	87961	CGGACCCGG	CTAC	CC	AGTC	CC	AGC	GCGGAG

	88021	GGTTTCTGGG	GGACGCCGTC	GACCGCGAGC	CCGCCTCAT	GCTGGAGTAC	TTCTGTCGGT
	88081	GCGCCCGCGA	GGAGAGCAAG	CGCGTGCCCC	CACGAACCTT	CCGCAGCGCC	CCCCGCCTCA
5	88141	CGGAGGACGA	CTTTGGGCTC	CTGAACATACG	CGCTCGCTGA	GATGCGACGC	CTGTGCCTGG
	88201	ACCTTCCCCC	GGTCCCCCCC	AACGCATACA	CGCCCTATCA	TCTGAGGGAG	TATGCGACGC
	88261	GGCTGGTTAA	CGGGTTCAA	CCCTGGTGC	GGCGGTCCGC	CCGCCTGTAT	CGCATCCTGG
	88321	GGGTTCTGGT	CCACCTGCGC	ATCCGTACCC	GGGAGGCCTC	CTTGAGGGAA	TGGATGCGCT
	88381	CCAAGGAGGT	GGACCTGGAC	TTCGGGCTGA	CGGAAAGGCT	TCGCGAACAC	GAGGCCAGC
	88441	TAATGATCCT	GGCCCAGGCC	CTGAACCCCT	ACGACTGTCT	GATCCACAGC	ACCCCGAACAA
10	88501	CGCTCGTCGA	GCAGGGGCTG	CAGTCGGCGC	TGAAGTACGA	AGAGTTTAC	CTCAAGCGCT
	88561	TCGGCGGGCA	CTACATGGAG	TCCGTCTTCC	AGATGTACAC	CCGCATCGCC	GGGTTTCTGG
	88621	CGTGCCGGGC	GACCCGCGGC	ATGCGCCACA	TCGCCCCGGG	GCGACAGGGG	TCGTGGTGGG
	88681	AAATGTTCAA	GTTCTTTTC	CACCGCCTCT	ACGACCACCA	GATCGTGCGC	TCCACCCCCG
	88741	CCATGCTGAA	CCTCGGAACC	CGCAACTACT	ACACGTCCAG	CTGCTACCTG	GTAAACCCCC
15	88801	AGGCCACCAC	TAACCAGGCC	ACCCCTCCGGG	CCATCACCGG	CAACGTGAGC	GCCATCCTCG
	88861	CCCGCAACGG	GGGCATCGGG	CTGTGCATGC	AGGCCTTCAA	CGACGCCAGC	CCCGGCACCG
	88921	CCAGGCATCAT	GCCGGCCCTG	AAGGTCCCTCG	ACTCCCTGGT	GGCGGCGCAC	AACAAACAGA
	88981	GCACCGCGCC	CACCGGGGCG	TGCGTGTACC	TGGAACCCCTG	GCACAGCGAC	GTTCGGGCG
	89041	TGCTCAGAAT	GAAGGGCGTC	CTCGCCGGCG	AGGAGGCCCA	GCGCTGCGAC	AACATCTTC
20	89101	GCGCCCTCTG	GATGCCGGAC	CTGTTCTTCA	AGCGCCTGAT	CCGCCACCTC	GACGGCGAGA
	89161	AAAACGTCAC	CTGGTCCCTG	TTCGACCGGG	ACACCAGCAT	GTCGCTCGCC	GACTTTCACG
	89221	GCGAGGAGTT	CGAGAACGCTG	TACGAGCACC	TCGAGGCCAT	GGGGTTCGGC	GAAACGATCC
	89281	CCATCCAGGA	CCTGGCGTAC	GCCATCGTGC	GCAGCGCGGC	CACCACCGGA	AGCCCCTTCA
	89341	TCATGTTAA	GGACGCGGTA	AACCGCCACT	ACATCTACGA	CACGCAAGGG	GCGGCCATCG
25	89401	CCGGCTCCAA	CCTCTGCACC	GAGATCGTCC	ACCCGGCCTC	CAAGCGATCC	AGTGGGGTCT
	89461	GCAACCTGGG	AAGCGTGAAT	CTGGCCCGAT	GCGTCTCCAG	GCAGACGTTT	GACTTTGGGC
	89521	GGCTCCCGA	CGCCGTGCG	CGGTGCGTGC	TGATGGTCAA	CATCATGATC	GACAGCACGC
	89581	TACAACCCAC	GCCCCAGTGC	ACCCCGCGCA	ACGACAAACCT	GCGGTCCATG	GGCATTTGGCA
	89641	TGCAGGGCCT	GCACACGGCG	TGCGCTCAAGA	TGGGCCTGGA	TCTGGAGTCG	GCCGAGTTCC
30	89701	GGGACCTGAA	CACACACATC	GCCGAGGTGA	TGCTGCTCGC	GGCCATGAAG	ACCAGTAACG
	89761	CGCTGTGCGT	TCGCGGGGCG	CGTCCCTTCA	GCCACTTTAA	GCGCAGCATG	TACCGGGCG
	89821	GCCGCTTTCA	CTGGGAGCGC	TTTCGAAACG	CCAGCCCGCG	GTACGAGGGC	GAGTGGGAGA
	89881	TGCTACGCCA	GAGCATGATG	AAACACGGCC	TGCGCAACAG	CCAGTTCATC	GCGCTCATGC
	89941	CCACCGCCGC	CTCGGCCAG	ATCTCGGACG	TCAGCGAGGG	CTTTGCCCGC	CTGTTACCA
35	90001	ACCTGTTCA	CAAGGTGACC	AGGGACGGCG	AGACGCTGCG	CCCCAACACG	CTCTTGCTGA
	90061	AGGAACCTCGA	GCGCACGTT	GGCGGGAAAC	GGCTCTGGA	CGCGATGGAC	GGGCTCGAGG
	90121	CCAAGCAGTG	GTCTGTGGCC	CAGGCCCTGC	CTTGCCCTGG	CCCCGCCAAC	CCCCCTCCGGC
	90181	GGTTCAAGAC	GGCCTTCGAC	TACGACCAAG	AACTGCTGAT	CGACCTGTGT	GCAGACCGCG
	90241	CCCCCTATGT	TGATCACAGC	CAATCCATGA	CTCTGTATGT	CACAGAGAAAG	GCGGACGGGA
40	90301	CGCTCCCCGC	CTCCACCTG	GTCCGCCCTC	TCGTCCACGC	ATATAAGCGC	GGCCTGAAGA
	90361	CGGGGATGTA	CTACTGCAAG	GTTGCAAGG	CGACCAACAG	CGGGGGTGTTC	GCCGGCGACG
	90421	ACAACATCGT	CTGCACAAGC	TGCGCGCTGT	AAGCAACAGC	GCTCCGATCG	GGGTCAGGCG
	90481	TCGCTCTCGG	TCCCCCATAT	CGCCATGGAT	CCCGCCGCTCT	CCCCCGCGAG	CACCGACCCC
	90541	CTAGATACCC	ACGCGTGGGG	GGCCGGGGCG	GCCCCGATTG	CGGTGTGCCC	CACCCCGAG
45	90601	CGGTACTTCT	ACACCTCCCA	GTGCCCGAC	ATCAACCACC	TTCGCTCCCT	CAGCATCCTG
	90661	AACCGCTGGC	TGGAGACCGA	GCTCGTGTTC	GTGGGGGACG	AGGAGGACGT	CTCCAAGCTC
	90721	TCCGAGGGCG	AGCTCGGCTT	CTACCGCTTT	CTGTTTGCCT	TCCTGTCGGC	CGCGGACGAC
	90781	CTGGTGACGG	AAAACCTGGG	CGGCCTCTCC	GGCCTCTTCG	AACAGAAGGA	CATTCTTCAC
	90841	TACTACGTGG	AGCAGGAATG	CATCGAGGTC	GTCCACTCGC	GCGTCTACAA	CATCATCCAG
50	90901	CTGGTGCTCT	TTCACAAACAA	CGACCAAGGC	CGCCGCCCT	ATGTGGCCCG	CACCATCAAC
	90961	CACCCGGCCA	TTCGCGTCAA	GGTGGACTGG	CTGGAGGC	GGGTGCGGGGA	ATGCGACTCG
	91021	ATCCCCGGAGA	AGTTCATCCT	CATGATCCTC	ATCGAGGGCG	TCTTTTTGTC	CGCCTCGTTC
	91081	GCCGCCATCG	CGTACCTGCG	CACCAACAAAC	CTCCTGCGGG	TCACCTGCCA	GTCGAACGAC
	91141	CTCATCAGCC	GCGACGAGGC	CGTGCATACG	ACAGCCTCGT	GCTACATCTA	CAACAACATAC
	91201	CTCGGGGGCC	ACGCCAACCC	CGAGGCGGGCG	CGCGTGTACC	GGCTGTTTCG	GGAGGCGGTG
55	91261	GATATCGAGA	TCGGGTTCAT	CCGATCCCAG	GCCCCGACGG	ACAGCTCTAT	CCTGAGTCGG
	91321	GGGGCCCTGG	CGGCCATCGA	GAACATACGTG	CGATTCAAGCG	CGGATCGCCT	GCTGGGCCTG
	91381	ATCCATATGC	AGCCCCCTGTA	TTCCGCCCCC	GCCCCCGACG	CCAGCTTTCC	CCTCAGCCTC
	91441	ATGTCACCG	ACAAACACAC	CAACTTCTTC	GAGTGGCGCA	GCACCTCGTA	CGCCGGGGCC
	91501	GTCGTCAACG	ATCTGTGAGG	GTCTGGCGC	CCTTGTAGCG	ATGTCTAAC	GAAATAAAGG

	91561	GGTCGAAACG	GACTGTTGGG	TCTCCGGTGT	GATTATTACG	CAGGGGAGGG	GGGTGGCGGC
	91621	TGGGAAAGG	GAAGGAACGC	CCGAAACCAG	AGAAAAGGAC	CAAAGGGAA	ACGCGTCCAA
5	91681	CCGATAAATC	AAGCGCCGAC	CAGAACCCCG	AGATGCATAA	TAACGATTT	ATTACTCTTA
	91741	TTATTAACAG	GTCGGGCATC	GGGAGGGAT	GGGGGCGC	GTTCCTCCG	TTCCGGCTAC
	91801	TCGTCCCAGA	ATTAGCCAG	GACGTCTTG	TAAAACGCG	GCAGGGGCC	GTGGGCCAC
	91861	AGCTGCGCCA	GAAACCGGT	GGCGATGTCC	GGGGCGGTGA	TATGCCGAGT	CACGATGGAG
	91921	CGCGCTAAAT	CTTCGTCGCG	GAGGTCTGA	TAGATGGCA	GTCTTTTAG	AAGAGTCCAG
	91981	GGTCCCCGCT	CCTTGGGCT	GATAAGCGAT	ATGACGTACT	TGACGTATCT	GTGCTCCACC
10	92041	AGCTCGGCGA	TGGTCATCGG	ATCGGGCAGC	CAGTCCAGGG	CCTCCGGGC	GTCGTGGATG
	92101	ACGTGGCGGC	GACGTCCCGC	GACATAGCCG	CGGTGTTCCG	CGACCCGCTG	CGCGTTGGGG
	92161	ACCTGCACGA	GCTCGGGCGG	GGTAGTATC	TCCGAGGAGG	ACGACCGGGC	GCCGTCGCGC
	92221	GGCCCACCGG	CGACGTCCCG	GGGCTGGAGG	GGGGGGCTT	CTTCGTAGTC	GTCCTCGCCC
	92281	GCGATCTGTT	GGGCCAGAAT	TTCGGTCCAC	GAGATGCCG	TCTCGAGGCC	GACGGGGGCC
15	92341	GCGGTCAAGCG	TAGGCATGCT	CTCCAGGGAG	CGCGAGTTGG	CGCGCTCCCG	CCGGGCCGCC
	92401	CGGCGGGCCT	GGGATCGGCT	CGGGGCGGTC	CAGTGACACT	CGCGCAGCAC	GTCCTCGACG
	92461	GACGCGTAGG	TGTTATTGGG	GTGCAGGTCT	GTGTGGCAGC	GGACGAACAG	CGCCAGGAAC
	92521	TGCGGGTAAC	TCATCTGAA	GTACTGCAGC	AGGTCGCCG	AGTGAATCGT	CGGAATGTAG
	92581	CCGGTGTCTGA	TGTCCAACAC	GATATCGCAG	CCCATCAGCA	GGAGATCGGT	ATCCGTGGTA
	92641	TGCACGTACG	CGACCGTGT	GGTATGATAG	AGGTTGCCG	AGGCGTCGTC	GGCCTCCAGC
20	92701	TGACCCGAGT	TGATGTAGGC	GTACCCCAGC	GCCCAGA	CGCGGATACA	GAACAGGTGA
	92761	GCCAGGCAGCA	GGGCCGGCTT	CGAGGGCGC	CCCGAGGGGG	CCGCCGGGCC	TGGGCCGGCG
	92821	GCCCGCGTTC	CCCGGTCCCC	CGGGGCGAAG	CGTGCCTCG	GGCGGCCAT	GTTGAAAAG
	92881	GCGAAACTGG	GCCTGGAGTC	GGTAGTGGGG	GAAGGCGCG	CGGAGGCGTC	TACGTCACTG
	92941	GCCTCCTCGT	CCGTGCGGCA	CTGGGCCGTC	GTGCGGCCA	GGATCGCCTT	GGCCCCGAAC
25	93001	ACAACCGGCT	CGGTACACTC	GACCCCGC	TCGGTCACGA	AGATGGGAA	CAGGGACTTT
	93061	TGGGTAACACA	CCCGTAACAT	ACTACAGAGA	CAGTGTAGCG	TGATTGCC	CGGGTCGTAA
	93121	CTTGGGTAGC	GGCGCTGATA	TTTAACCACC	AGGGTATACA	TGACATTCCA	CAGGTCCACG
	93181	GCGATGGGGG	TAAAGTAGCC	CTCCGGGGCC	CGGAGGCC	GGCGCTTCAC	CAGATGGTGA
	93241	GTCTGGCAA	ACTTCATCAT	GCCAAACAGA	CCCATTCCG	CACGATTGTA	GGTGCAGATA
30	93301	GGTCTCTCTA	CAGAGCTGTA	TAGGTGTGAC	GGTCGGGAC	ACCCAAGCCC	CCCGCCCCCTG
	93361	TGTACAGTGG	CTGCGCGAC	GACCCCGCTC	CAACAAGACG	CTATCCC	AAAGGCACGC
	93421	TCTTTATAAT	TCTTTTTAT	TTCCCATCTA	CGTGCAGGATT	GGTGCACCC	CCGGCGCGCG
	93481	CCGGTGCAGG	CCGACCATCT	CTCTCTTCCC	CCCCTCCCC	TCCCCCGAGC	CCTCAAAGAG
	93541	GGTGTGGCCT	AACTAGCGGA	AGGCGTATT	AACCAGACTA	GGGCGGGCGG	TCCGCCGTAG
35	93601	TCCTTGGCTC	GGGTAGCCAC	TGCTCTGTG	CTCGGGTCCC	CCGGCCCC	TAACCCCCAT
	93661	CCGGTCCGCG	TCATCCGCC	CCTCCGCTG	CGACACAAAC	GGCGCGCCT	CCGGGCCCGG
	93721	TGACACGACG	CGCCTCGTCT	CTGCGGATTG	TCCCGGGAGC	GTGCGGGCAT	GGCTCATCTT
	93781	CCCGCGGGTG	CGGCCGCGC	CCCCCTTTCG	GAGGACGCGA	TCCCGTCGCC	GCGCGAGCGG
	93841	ACGGAAGACT	GGCCGCCCTG	CCAGATAGTG	CTGCAGGGCG	CCGAGCTGAA	GGGATCCCTG
40	93901	CAGGCCCTTG	CGCCGCTTCG	CACGAGCCTT	TTGGACTCGC	TCCTGGTCTG	GGGCGACCGA
	93961	GGCATCCTTG	TACATAACGC	GATTTTCGGC	GAGCAGGTGT	TTCTGCC	CGACCATTCG
	94021	CAGTCAGTC	GCTATCGATG	GGCGGGACCC	ACCGCGCGT	TCCTGTCTCT	CGTGGACCAAG
	94081	AAGCGATCCC	TGCTGAGCGT	TTTCGCGCC	AACCAGTACC	CTGACCTGCG	GCGGGTGGAG
	94141	CTGACGGTCA	CGGGCCAGGC	CCCCTTTCG	ACGCTGGTGC	AGCGCATATG	GACGACCGCG
45	94201	TCCGACGGAG	AGGCCGTGGA	GCTTGCAGC	GAGACGCTA	TGAAACGCGA	GTTGACGAGC
	94261	TTCGCGGTAC	TACTCCCCA	GGCGCACCCC	GACGTCAGC	TGCGCCTCAC	GAAGCCCCAG
	94321	CTCACGAAGG	TGGTGAACGC	CGTCGGGGAC	GAGACGCCA	AACCCACCA	GTTCGAGCTC
	94381	GGCCCCAACG	GCAAGTTTC	CGTGTAAAC	CGCGCACCT	CGTCACCTT	TGCCGCCGCG
	94441	GAGGAGGGCG	CGTCGTCCAG	CACCGCGCC	CAGGTCAGA	TTCTGACCA	CGCGCTGAAG
50	94501	AAGGCGGGCC	AAGCGCGC	CAACGCCAAG	ACGGTCTACG	GGGAAAACAC	ACACCGCACA
	94561	TTCTCGGTGG	TCGTCGACGA	CTGCAGCATG	CGGGCGGT	TCCGGCGGCT	CCAGGTGCGG
	94621	GGGGGGACCC	TCAAGTTCTT	CCTCACGGCC	GACGTCCCCA	CGTGTGTG	CACCGCCACC
	94681	GGCCCCAACG	CGGTGTCCG	GGTGTTCCTT	TTAAAACCC	AGCGGGTCTG	CCTGAACTGG
	94741	CTCGGCCGGA	GCCCCGGTTC	CTCGACCGGG	AGCTTGGCGT	CCCAGGACTC	TCGGGCCGGC
55	94801	CCGACCGACA	GCCAGGACTC	CTCCTCCGAG	CGGACGCGG	GCGACCGCGG	CGCCCCAGAA
	94861	GAAGAAGGCC	TCGAGGGCCA	GGCCCCGGGTA	CGGCCCGCGT	TCCCGGAACC	GCCGGGAACC
	94921	AAGCGGAGGC	ACCCCGGGGC	CGAAGTTGTC	CCCGCGGACG	ACGCCACCA	GCGCCCGAAG
	94981	ACGGGCAGTC	CCGCCGCCCC	CACCGCGAGCC	GAGTCGCC	CCCTCTCCG	GAGATACGGA
	95041	CCCGAGGCAGG	CGGAGGGTGG	TGGGGACGGC	GGCGCTACG	CGTGCTACTT	TCGCGACCTC

	95101	CAGACCGGCG	ACCGCGAGCCC	CAGCCCCCTC	TCCGCCTTCC	GGGGTCCCCA	AAGACCCCA
	95161	TACGGCTTTG	GGTTGCCCTG	ACGGCAACGG	GTGGTGGCCG	AACGCCTCAC	CGCGCCCGGG
5	95221	CACGCGGGGT	GGCGTTGTGTT	AAAAAAATAA	ATAAAATGGGG	TAGTGTGTCC	CCCCCCCCTC
	95281	CAACCAATAT	GGCTGTCGTG	TGTGGTTCCG	GGTTGCCTCT	CCGTCCCTTC	CACCCCCCTT
	95341	CCCCCTCCCT	TTTGTTTTG	CGTGCCTTA	TAAGAGCGGG	CCCGGGGCC	TTCGCAGCTT
	95401	CACCGAGAGC	GCCGTCGGGC	CCCGGGTGCG	GGATGTGTCG	CGGGGACAGC	CCCGGGCTCG
	95461	CGGGCGGGAG	CGGCGAACAC	TGCCTCGGAG	GGGATGATGG	GGACGACGGG	CGCCCCCGCC
10	95521	TCGCCCTGCGT	GGGTGCCATC	GCTCGGGGGT	TCGCGCATCT	CTGGCTCCAG	GCCGCCACGC
	95581	TGGGCTTCGT	GGGGTCTGTC	GTTCTGTCGC	GCAGGCCGTA	TGCGGACGCC	ATGTCCGGGG
	95641	CGTTCTGTAT	CGGGAGCACC	GGCCTGGGGT	TCCTCCGCGC	CCCCCCCCGCG	TTCGCCCGGC
	95701	CGCCGACCGC	TGTGTGCGCG	TGGCTGAGGC	TGGTCGGCGG	GGGAGCGGCC	GTGGCCCTGT
	95761	GGAGCCTCGG	GGAGGCCGGC	GCGCCCTCCGG	GGGTTCCGGG	CCCGGCGACC	CAGTGCCCTGG
15	95821	CGCTCGGGGC	CGCCTACGCG	GCGCTGCTGG	TGCTGGCGA	CGACGTCCAT	CCCCCTTCTCC
	95881	TCCTCGCCCC	GCGGCCCTGT	TTTGTGCGCA	CCCTGGGGT	TGTCGTCGGC	GGGCTGACGA
	95941	TAGGCGGCAG	TGCGCGCTAC	TGGTGGATCG	ACCCCCGCGC	CGCCGCGGCC	CTGACGGCGG
	96001	CGGTGGTGGC	GGGCCTCGGG	ACAACCGCCG	CGGGGGACAG	CTTTCCAAG	GCCTGTCCCC
	96061	GCCACCGCCG	CTTTTGCCTC	GTCTCCGCGG	TCGAGTCTCC	CCCGCCCGA	TACGCCCGGG
	96121	AGGACGCCGA	GCGGCCAACA	GACCACGGAC	CCCTGTTACC	GTCGACGCC	CACCAGCGAT
	96181	CTCCGCGGGT	CTGCGCGCAC	GGGGCCGAC	GGCCCGAAAA	CATCTGGGTT	CCCGTGGTGA
20	96241	CCTTTGCGGG	CGCGCTCGCG	CTGGCCCGCT	GCGCCGCGCG	AGGGTCTGAC	GCGGCTCCGT
	96301	CAGGCCCGGT	CCTGCCGCTG	TGGCCCCAGG	TGTTTGTCCG	GGGCCACGCC	GCGGCCGGGCC
	96361	TGACGGAGCT	GTGTCAAGACC	CTCGCGCCCC	GGGACCTCAC	GGACCCGCTG	CTGTTGCGT
	96421	ACGTCGGATT	CCAGGTGCGT	AACCACGGGC	TGATGTTGT	GGTCCCCGAC	ATCGCCGTAT
	96481	ACGCGATGCT	GGGGGGCGCC	GTGTGGATCT	CGCTGACCCA	GGTGTGCGG	CTCCGGCGCC
25	96541	GCCTTCACAA	GGACCCAGAC	GCCGGGCCCT	GGCCGGCCGC	GACCTGCGG	GGCCTCTTT
	96601	TCTCCGTCTA	CGCATTGGGG	TTTGCGGCGG	GGGTGCTGGT	GGCCGCCGCC	ATGGCCCGGA
	96661	GCCGGCGGT	GGGGTGTATCG	CCATTTCAAA	AAAAGGCAC	GAGTTCCCCG	AATACCAACG
	96721	GC GTGTGATG	ATTTCGCCCT	ACCGCTCCGA	TCCCCGGGGG	GAGGGGGGAA	GGAAATGCGG
	96781	CGGGGGGTGC	CGTGGACGGG	TATAAAGGC	AGGGGGGCAG	GCGGGCCCAT	CACTGTTAGG
30	96841	GTGTTAGGTT	GGGAGGTGGC	ACAAAAAAGCG	ACACTCCCGT	GTTGTAGTTG	TCCGCGCGAG
	96901	GCGGTGGTTT	CCGGCAACCC	TCCTCGCTGC	GCCGGCGCG	CCCACCGGTC	CTTCGCGCGG
	96961	GCCGGGGCTC	TTCTGGTCAT	GGCCCTTGGA	CGGGTGGGCC	TAGCCGTGGG	CCTGTGGCGC
	97021	CTGCTGTGGG	TGGGTGTGGT	CGTGGTGTG	GCCAATGCCT	CCCCCGGACG	CACGATAACG
	97081	GTGGGGCCGC	GGGGGAACCGC	GAGCAATGCC	GCCCCCTCCG	CGTCCCCGCG	GAACGCA-TCC
35	97141	GCCCCCCC	CCACACCCAC	GCCCCCCCCA	CCCCGCAAGG	CGACGAAAAG	TAAGGCC-TCC
	97201	ACCGCCAAAC	CGGCCCCGCC	CCCCAAGACC	GGGCCCCCGA	AGACATCCTC	GGAGCCCCTG
	97261	CGATGCAACC	GCCACGACCC	GCTGGCCCGG	TACGGCTCGC	GGGTGCAAAT	CCGATGCGGG
	97321	TTTCCCAACT	CCACCCGAC	GGAGTTCCGC	CTCCAGATCT	GGCGTTATGC	CACGGCGACG
	97381	GACGCCGAGA	TCGGAACGGC	GCCTAGCTA	GAGGAGGTGA	TGGTAAACGT	GTCGGCCCG
40	97441	CCCGGGGGCC	AACTGGTGT	TGACAGCGCC	CCCAACCGAA	CGGACCCGCA	CGTGATC-TGG
	97501	CGGGAGGGCG	CCGGCCCCGGG	CGCCAGCCCG	CGGCTGTACT	CGGTGTCGG	GCCGCTGCG
	97561	CGGCAGCGGC	TCATCATCGA	AGAGCTGACC	CTGGAGACCC	AGGGCATGTA	CTACTGGGTG
	97621	TGGGGCCGG	CGGACCGCCC	GTCCCGTAC	GGGACCTGGG	TGCGCGTTCG	CGTGTTC CGC
	97681	CCTCCGTCGC	TGACCATCCA	CCCCCACGCG	GTGCTGGAGG	GCCAGCCGTT	TAAGGCGACG
45	97741	TGCACGGCCG	CCACCTACTA	CCCGGGCAAC	CGCGCGGAGT	TCGTCGGTT	CGAGGAC GGT
	97801	CGCCGGGTGT	TCGATCCGGC	CCAGATACAC	ACGCAGACGC	AGGAGAACCC	CGACGGCTTT
	97861	TCCACCGTCT	CCACCGTGAC	CTCCGCGGCC	GTCGGCGGCC	AGGGCCCCCC	GCGCACCTTC
	97921	ACCTGCCAGC	TGACGTGGC	CCGCGACTCC	GTGTCGTTCT	CTCGCGC	CGCCAGC GGC
	97981	ACGGCATCGG	TGCTGCCGCG	GCCAAACCATC	ACCATGGAGT	TTACGGCGA	CCATGCG-GTC
50	98041	TGCACGGCCG	GCTGTGTGCC	CGAGGGGGTG	ACGTTGCCT	GGTTCTGGG	GGACGAC TCC
	98101	TCGCCGGCGG	AGAAGGTGGC	CGTGCCTGTC	CAGACATCGT	GGGGCGGCC	CGGCACCGCC
	98161	ACGATCCGCT	CCACCCCTGCC	GGTCTCGTAC	GAGCAGACCG	AGTACATCTG	CCGGCTGCG
	98221	GGATAACCGG	ACGGAATTCC	GGTCTCTAGAG	CACCAAGGCA	GCCACCCAGCC	CCCGCCCGGG
	98281	GACCCCCACCG	AGCGGCAGGT	GATCCGGCG	GTGGAGGGGG	CGGGGATCGG	AGTGGCTGTC
55	98341	CTTGTGCGCG	TGGTTCTGGC	CGGGACCGCG	GTAGTGTACC	TCACCCACGC	CTCCTCGGTG
	98401	CGCTATCGTC	GGCTGCGGT	ACTCCGGGGC	CGGGCCCGGC	CGCCGGTTGT	CTTCTTCTTC
	98461	ACCCCTTCCG	TCCCCCGTAC	CCACCAACACC	CCACCCACC	CCCCCGCCGT	CCCCCGCGCG
	98521	TTATAAGCCG	CCGCACTCGC	TTTCCCACC	GGAAAATCCT	CGGCCCCGATC	CGAACGGCGC
	98581	ACGCCGCGTG	GGCTCCAAAC	GCCTCCGGAA	GAGAGCGCCC	CGCCCCGATA	TTCAAGCGCG

	98641	CGGTGGTGCT	ATGGCTTCC	GTGCTTCGGG	ACCCGCCTAC	CAGCCCCTCG	CCCCCGCGC
	98701	CTCCCCGGCG	CGGGCTCGT	TTCCGGCCGT	GGCCTGGATC	GCGTCGGAG	CGATCGTCGG
	98761	GGCCTTGCG	CTCGTCGCCG	CGTTGGTTCT	CGTACCCCT	CGGTCTCTCG	GGGGACTCTC
5	98821	GCCGTGCGAC	AGCGGCTGGC	AGGAATTCAA	CGCGGGATGC	GTCGCGTGGG	ACCCCACCCC
	98881	CGTCGAGCAC	GAGCAGGCCG	TCGGCGGCTG	CAGCGCGCCG	GCCACCCCTTA	TCCCCCGTGC
	98941	GGCCGCCAAG	CACCTGGCCG	CTCTGACACG	CGTCCAGGCG	GAGAGATCGT	CGGGTTACTG
	99001	GTGGGTGAAC	GGAGACGGCA	TCCGGACCTG	TCTGAGACTC	GTCGACAGCG	TCAGTGGCAT
	99061	CGACGAGTTT	TTCGAGGAGC	TCGCGATCCG	CATATGCTAC	TACCCACGAA	GCCCCGGCGG
10	99121	TTTGTCCGC	TTCGTAACCT	CGATACGTAA	CGCCCTGGGG	TTGCCGTGAG	GCGCGCGTCC
	99181	GACGGTCCC	CTTCTCGCCT	CTCTTCTTCC	CCCACCCAC	CCACCGACCA	ACGACGGCGT
	99241	TTGGCCAATA	CCCTCCTTT	TTCTTTTCT	CTTCCCCCCC	CCCCAAAAAA	AACAATAAAC
	99301	AGCTAATTGC	GTACGACAAA	CCATGCGGAA	CTCGCTGTT	TTTTTCTCTG	TTTGTACTT
	99361	TTTATTGAAA	CAGACATACG	GGGAAAGGGG	CCGGAAACCG	AGACGGTGGG	GCCGGCGGTC
15	99421	GCATTTTTT	AATGGCTCTG	GTGTCGGCCG	CGTTGAGCT	TCGTCAACAG	GGCGCTGAGG
	99481	GCGGCAGCGT	TCGTCGGCC	GTGTTGGCC	AGCGCGTTGG	TCCGGGGGCG	GGCGGGCATG
	99541	GGCGACAGGC	TTAGTCCCGG	GTCCGGGGCG	CGTGTGGCCC	GCCGAGGGGA	GAAGAGGGCA
	99601	GACCCGCC	AGTCGTACAG	GGGATTTCC	GCCTCGATGT	ACGGGGAGTC	CGGGCGTCT
	99661	CCCGGCAGGG	CGGCCCCGCC	GGCAAGACGC	CGGCGAGGGC	AGATGTTTC	GTATAACCGA
	99721	ACCCAGGGG	TCTCCTCGTA	GACGCGCCCG	CCATCCTCGC	CCACCGACTC	GTAAATGGAA
20	99781	TCTGCGTCCT	CGGAGGGGGC	CGGGGGGGCG	TGGCTTCGG	CCGGCCAGGC	GGCGCGGGCG
	99841	GTGGGTGCGG	CGGCGGGGGT	GGCGCCAAGC	CCGACGCCCG	CGGGCATGGC	GGCGTCATCG
	99901	TCGGGCAGCA	GATACTGTT	TTCCATCTGG	TCCGGTTCGG	CCTCCGCGTC	CGGCCCGGAG
	99961	GTCCGCACCG	CGTCGTAGAC	CCCGGCGGCC	TCGCGCTGAG	CCGCGAGCGG	GCGCGCCGCG
25	100021	GCTGCCGGCC	GCTGCTCGGG	GGGCGCGGGG	TTGCGGGGCG	GGAGGCGCGG	GGGCGCCCCG
	100081	GCCATATGCG	TGTAATACGT	GGCCGGCCGG	CCGGCCCAAGG	GCTCGGGACC	CCGGTCGGCC
	100141	GCGTCGACGT	GCGGGGGCTC	GGGGAGGTCC	TCGCGGTGGC	GCCTGCACCT	CCGAGGGGGC
	100201	GCGGGGGTCG	AGTGGGGGCG	AGCCCCGGGG	AGCGGCGGGG	GTGCGTTGTC	GCGCCGGGTC
	100261	CGTTGTATCT	TGTCCCGGCA	GCTCCCGCCG	ACCGCCCGC	GGCCCCCCC	TGGGCCGGAC
30	100321	GCCCGGAGGC	GCAGGATGGA	CTCGTAGTGG	GGCGACGGGG	TTCCGCTCCG	AAGCAGGTCC
	100381	GGGGCCAGGG	CGGCCCCGAA	CCAGGACTTG	ATGCTGAGTT	CCATCCGGGC	CCAGCTCGGG
	100441	GCGGTCACTCG	TGGGGAACAG	GGGGCGGGCG	GTCCTGCAGA	AGCGCTCTG	GCTGTCCACC
	100501	GCCGCCGTAA	GGTACTCTGTT	GTTCAGGCTG	TCGGAGGCC	AGACGACATA	CCCGGTAAGC
	100561	GTCGCGTTAA	TTATATACTG	GGCGTGGTGG	TGGACTATGG	ATAGAACCTC	GACGGTCGAG
	100621	ACGATGGCGT	CCACGATCCC	GTACGTGCCG	CCGCTGCGCT	TGCCGGTCTC	CCACAGGTGG
35	100681	GCCAGGCGCG	TCAGGTGGCC	CAGGACGTCC	CTGACCGCCG	CCCGCAGGGC	CATGCACTGC
	100741	ATCGAGCCG	TGGTGGCGCT	GGGCCCCGCG	TCCAGGTGGC	GCGCAAACGT	CTCCGCGGGC
	100801	GCCTCCAGAC	TCCCCTGAG	CGCCACGAAC	CGGCGATCGG	CGGGGCCAG	GCGCGACAC
	100861	ACGTACTTGT	CCGCCGTCCA	CAGCATCCAC	GAGGCCAAT	GGTACAACAC	GGAGACGTAG
	100921	GCCAGGAGCT	CGCTCAGCCG	CAGTGCCTG	TCCGTGCTCG	GCCGGCTCGG	GTCTCGGGGG
40	100981	CGCATAAAGA	ACATGTACTG	CTGGAGCCTG	TGGGCCGCGT	CGCGCAACCC	CGCCACCGCG
	101041	GCGCGTACT	TGGCCCGGGC	GGCCCCGCTC	TTGAACGGGG	CGCGCACCG	CAGCTTCGGG
	101101	AGCAGGGTGG	GCCGCAGCG	CACGTGCAGG	CTGGGGTCGC	AGTCGCCCCG	CGGGTCGTG
	101161	GGGATGTCCA	GGCCGCTGGG	CACGACCGTC	TGGAGGTACT	TCCAGTACTG	CGCTAGGATG
	101221	GCGCGGCTCA	GCTGGCCGCC	CGACAGCTCC	ACCTCGCCG	GCGCCTGCTT	GGCGGCCGAC
45	101281	GCGTAGTGC	GGATGTAGTC	GTAGTGCCTG	TCGCTGGCGA	GCCCGTCTAC	GATCAGGCTC
	101341	TCGGGGACGG	TGTTATGGT	CCCGCGCCG	AGCCGGACGC	TGCGATCGC	GCCGGTCAGA
	101401	AACGCCGGCT	GCAGGTGCTC	GGCGCGCTGC	CGCAGGACGC	CCACGGCCG	GCTGAGGAGC
	101461	CCCTCCGGGG	TGGGGAGCAG	ACACCCGGCG	AAGATGCGCC	GCTCGGGGAC	GCCCGCGTTG
	101521	GCGCCCGGGA	TGAGGTTGGC	CGGCCTCAGG	CACCGCGCCA	GCCGCAAGGA	GCTCGCGCCG
50	101581	CGCGCCCGGC	GTTGCATGGC	GGAGACCGTT	CGGTGGGGGG	CCCCGCCGGT	CGGAGGTATG
	101641	CCGCGTCCCG	GGATATAGGG	TTGCTTTTA	TGGGGAGGCG	CCTATGGGCG	TGGCGGGCCG
	101701	CCCAGCCCGG	TCGGCGCCCT	CCCGGACACG	TGCGCCCGA	GGGCGGGCGGT	CTCCCTCGTCG
	101761	CCCAGTAGCA	GTTTCCGAAA	CTGCGCCATG	ATGTCCACGA	CGCAGGACCCG	CGGCCCGCAGC
	101821	ACGGACTCGC	TATTCAAGGG	GGCGGGGGGG	AAGGCCGCCA	GTCCTTCGAG	CAGGAAGGCG
55	101881	GGGTCTGCCG	TCCCGCTCAC	GGGCGCCCGG	GGCGCCGAGG	ACGCGGGGCG	AAGGTCCACG
	101941	TGTTCCGCCG	CGGCAGCGCAC	GTCCGCCAA	AATTTGGCGG	GGGTGGTCCG	CGCGTACAGG
	102001	GGCTGGGTG	CGCGGAGGAC	GCACGCGTAG	CGCAGGGGGG	TGTACGTGCC	CACCTCGGGG
	102061	GCCGTGCGACC	CGCCGTCAA	CGCGGCCAGG	GCCACCGACG	CGACCACCGT	GTCGGCCAGG
	102121	CCCAGCAGCC	GCTGCAGGAT	GAGCCCCGTC	GCCAGCACGG	CGCGCGCGGC	CGCCCGCGTC

	102181	TCCCTGCGCC	GGCGCGCGTC	CCCGCAGGCC	AGGGCGTATT	TCAGGGTAAC	GGTCGCCAGG
	102241	GCCGTGTGCA	GC CGTACAC	GGCCGCGCCC	AGCACCGCGT	TCAGCCCGCT	GGTGGCGAGC
5	102301	AGGCGGCGCG	CCGCGGTGTC	GCCCAGCGCC	TCGTGCTCGG	CCGCCACGAC	CCCCGGGCTG
	102361	CCCAGGGGCA	GGGCGGAAA	CAGCGCCTCC	TGCTCACGT	CCGCAAACGC	GGGGTGGGCG
	102421	GAGTGCAGGT	GCAGGCGCGC	CCCCACGACC	ACCGAGAGCC	ACTGGACCGT	CTGCTCCGCC
	102481	AGGACCGCCA	GCACGTCCAG	GACGCGCCCC	GCAAACCGCG	CCTCCCGCGG	GAGCACGCA
10	102541	TTGACGGCGC	CGGGGTTGAA	GCGGGCGAGC	AGAGCCCCGG	TGGCGATGTA	CGTCATGCGC
	102601	CCCAGCTAGC	GGGCGGCCAC	GCGACAGTCG	CGCCCCAGGA	GCGCGCGCAC	CCCCGGGCCAG
	102661	TACAGCAGGG	ACCCCAGCGA	ACTGCAGAAC	ACCGCGGCGT	CGGGGCCGGG	GTGGGGGGGC
10	102721	GC GCCCCCTC	CCGCGCTGAG	CAGCGGCACG	GC GCGGCC	CCACGGGCG	CAACGCCGTG
	102781	AGGCTCGCGA	ACTGCCGTCG	GAGCTCGGCC	GCCCTGTCGT	CGAGCTCCGA	GCCGCGCCCC
15	102841	TCCGTGTGCA	GGCGCGTCCC	GCAGACCCAC	CCGTTGATCG	CCACCCGCAC	GATGGCGTCC
	102901	ACCAGAAAAC	CCATCGCGCG	GGAGGGGCTG	GT TTTGCCC	GCCGATCCGT	CAGGTCGAGG
	102961	ATCGCGTCGC	CCGTGACGTA	CCAGGCCAGC	GCCTCGCCCT	GCTGCAGCGT	CTGGCGGAAA
15	103021	AACACCTTTG	GGTCGGCCGG	GGAGGCCAAAG	TGCATGACCC	CCACGCGCGA	CAGCCCGAAC
	103081	GCGCTATCCG	GACACGGGTA	GAACCCGGCC	GGATGTCCC	GGGCCAGGGC	CGAGCGCACG
	103141	GA CCGTCCC	ACGCGGCGAC	TCGGGGGGTC	AGGCGGTCCA	GGGGGAATGC	CGCCCTGCAGC
20	103201	TCCGGGCCCG	ACACGCGGCC	CGCGAGAAC	TCGACCGTCG	CGGAAGGCCG	CGCCCCGGGG
	103261	CCGTACATCGT	GC GCGACGGC	GGCGGGGTAG	TCGTCCCTCCT	CGTAGTTGAG	CTCGTCCAGG
20	103321	AACAGCGGCC	AGGGCACCCAC	CCGCGAACCG	CCCACCGCC	CCAAAACGTC	GC GTGGGTCC
	103381	ATCGGGCCCA	GGTAGCCTCC	CCGCGGGGCC	CGCGTGTAGG	CGCTGTC	CGCTCCCGA
	103441	ACGGACTGGC	TCCTGGCGT	AA CGGACCTG	GGGCGCGGAA	AGGACGCCCG	GC GGGGGGGG
25	103501	GCCGCCGCC	GGGCCTCGGA	CGCGCGTCGG	GACCCGGGTT	GACCGCGGGC	CTCCCGCGA
	103561	CGGCGCGGGG	GGGGCTCTTC	GCTCGCCATC	TCCCCCGCGG	CCTCGACCTC	GCTGTCGTG
25	103621	TCCACGTTAA	ACACCGCCCG	CAGGTACCCC	ATTAACCCGA	CTCCACCGCC	CTCGGGCTCG
	103681	TCCTCCACGG	GGCGAGTCGGC	GCGATGCGCC	GACGGGGCAT	GGGACCGGGT	GGAGGCGCGC
	103741	CTCCGGCGTA	CGGCATGCC	GCGCACGGAC	ATGGTGGCCG	GAGGCCCGAT	TTTTTACACA
30	103801	CGCCCTCCCC	GCAGACGGAC	GAGGAAAGGG	GTGGTGCAG	GGGGGAGGCC	CAAACGGGGA
	103861	GGTGGGGGGT	AGGGGGCGGT	CCCAGGGAGC	GGGGGGTAGG	AACCGGCACG	ACGGGAACAG
30	103921	AGAAAACGCG	ACCGCTCAA	CAAGGGTGGG	GGGGTGGGCC	TCGTCCCCAC	GCAGACCCGC
	103981	GGGCAAATGC	GAGAACGGG	CCCGCGCGCC	TGCCTTTATA	CGCGGACCCC	AGCACACAGA
	104041	GCCGTTCTGT	GACCGCAATC	TACACGACCC	CGGGCTCGTA	GGCGCGACTA	ACGCCAAC
35	104101	CAACGGCACA	CACCCCCCAC	CCCAGCGCGTA	ACCCCATTT	TTTCA TGGTC	CCGTAATAAA
	104161	CAGCCAACGC	ACGCGCGCGTA	TGATGAGTTG	CTTGCCAATG	TTTATTGCTG	TGGTTGCGAA
35	104221	CCCTCTATCG	CGATACAGAC	GGAGGTGAGG	CGGGCGGTG	GTGGGGGGGG	GGCGCGCCGC
	104281	CGGTGCGCAC	ATCCCTACCCC	CCAAAGTCGT	CAATGCCAT	GGCATCGGT	AA CATCTGTT
	104341	CAAACCTAAA	ATCGTCCACG	TCCAAAGGCC	CATACGAGAC	GGGGTGTG	GTCATTCCCG
40	104401	GGGAGGGGGA	CTCCACGTCC	CCCAGCATCT	CCAAGTCGAA	GTCGTCCAGG	GCGTCGGCGG
	104461	GCGTCATATC	CACCTCTCG	CCGTCCAGGC	GGAGTCGTC	TCCCAGGCTG	ACGTCGGTAA
40	104521	TGGGGCGGGT	GGTGGACAGT	CTGCGGGGGC	GTTGTC	GGAGAGAAC	GACATGCGC
	104581	GCGCCACCA	CCCGGCCTCC	GCAGGAGCGT	CATCGTCGTC	CGGGAGGTG	AGCAGGCC
	104641	CGATTGTCGA	TCCGTAATTG	TTTCTGGTCC	GCCCGCGGCT	ATACGCGTGC	TCCCGCATGA
45	104701	CGGACTCGCC	CTCCGAGGTC	GCGACGCTGG	AGTACCGAGTC	CAACTTGGCC	CGGATCAGCA
	104761	GCATAAAGTA	CCCAGAGGAG	CGGGCCTGGT	TGCCCTGCAG	GACGGGCGGG	GTCGTGAGGG
45	104821	GCGCCCCGGG	TTCCCTCGCC	GGCGCACTTC	GCACCAAGCGG	GAGGTTCA	TGCTCGCGAA
	104881	TGTGGTTTAG	CTCCCGCAGT	CGCCGGGCCT	CCACGGGAAC	TCCCCGCACG	GTGAGCGATC
	104941	CGTTGATAAA	CATCAGGGG	TGAAACAGAC	ACGCCAACTG	GCGCCAGCTC	TCCAGGTCG
50	105001	AGCAGAGGCC	GTCGAACAGA	TGGGCCGCA	TCATCTGCTC	GGCGTACGCG	GCCCATAGGA
	105061	TCTCGCGGCT	CAGAAAGAGG	TATAGATGCA	GAAACAGGAC	GGCGGCCAGG	CGCGCGGTCT
50	105121	CGCGGTAGTA	CCTGTCGCG	ATCGTGGTGC	GCAGCATCTC	CCGCAGGTG	CGGTTGCGGC
	105181	CCCGCATGTG	TGCCCTGGCG	TGTAGCTGCC	GAACGCTGGC	GCGCAGGTAC	CGGTACAGGG
	105241	CCGAGCAAA	ATT TGCCAA	ACGGTCCGGT	AGCTCTCCTC	CCGCGCCCGC	AGCTCACCGC
55	105301	GGAAAAAACTG	CGCCATGGCC	TCGTAGTACG	AAGGCAGCTC	GTCGCGGGTG	GC GGGCAGGG
	105361	TGGGAACGC	CACGTCGCCG	TGGGCGCGAA	TGTCGATCGG	GGAGCGCTCG	GGGACGTGCG
55	105421	CATCCCCCA	GTCGATCACG	TCGCTGGGCA	GGCGTGCACAG	AA ACTTGCA	TCCCAGGTA
	105481	TGTGGCGTT	GGTCGGGAAC	CCAGAGAAC	GGTCTCGTT	CCAGGTATCT	AGCATGGTAC
	105541	ACAGCGCGGG	ACCCGCGCTG	AAGCCCAGAT	CGTCGAGGAG	ACGGTTAAC	AGGGCCGCGG
	105601	GGGGGACGGG	CATGGGCCG	GAGGGCATCA	GCTGGCCTG	ACTCAGCCGA	CCGGTGGCGT
	105661	ACAGCGGAGG	GGCGGCTGGG	GTGTTCTTGG	GACCCCGG	TGGCCTGGGG	GGCGGTGGCG

	105721	AAACCCCGTC	CGCGTCCGCA	AACAGATCGT	CGACCAACAG	GTCCATGGGG	GCGGTTGGGT
	105781	CCGGGAATAA	CGATCTCGAG	AGGCAGATGA	GACGTGCCG	AGCGCCCGC	GGCGGAGAGG
	105841	GGGGGAGGGG	TCCGGGACCC	GCGACAGAAA	AAGGCCGGG	CCCTCGCAA	GGGAATCGCC
	105901	GGGGGTGCCG	TGCGTCCCCG	AGGACTGACA	TCTCGCGTCC	ACCACCCCGC	ATTTAAGTAT
5	105961	CACCCCAGTG	CCGCCCCAAA	CCTCGTGACT	TCCCCACCGC	TCCGGGCGGC	CCGTCCCCCG
	106021	CGCTCGGAAG	GGAGGCGTGT	CCTTCCTCCC	GCCCCCTCCC	CCCCTCCCGC	CCCTCCCGCC
	106081	CCTCCCGCCC	CTCCC GCCCC	TCCCGCCCT	CCCGCCCGTC	CCGCCCCCTCC	CGCCCCCTCCC
	106141	GCCCCCTCCC	CCCCTCCCGC	CCCTCGCCAC	AAACCGGTGC	TGACAGCGAA	GTGGTTAAAT
	106201	CGACCGTGAT	GCTTTATTGT	CTGTCGTCG	AACGCGGTGC	GGGTCGCTAC	TCGAGGGGGC
10	106261	GGCGGGGACG	GGAAGCCGAG	CGGGCGGGGG	CCCGTGCGGT	CCGCGCGGCA	CGCCCCCGCG
	106321	GGCGGCCCGC	GGCGGCCCGC	GTCGCGTCGA	CGTCCTGCGC	CGCGTCGGGA	TTCACCAAAT
	106381	CGTCGCGCG	CTGCAGGAGG	TTCTTGCCCT	CGCAGACCGT	CACGCGAATG	GTGGTGAGGT
	106441	CGAGGAGCTC	GTTGAGGTCT	TCGTCGGTGT	GC GGCGCGCA	CATGTCCCCAC	AGCTGTACCG
	106501	CCGCCAGCCG	GGCGTGCCTG	GCCGCCAGGC	GCCCCGACCGC	GGCGCAGAAG	ACCGCCTTGT
15	106561	TGAACCCGGC	CACCCGGGGG	GTCCACGGCG	CCGTGGGCT	CGGTGGGCGC	GTGCTGAAGT
	106621	GCAGCTCTT	GGCCAGTCCC	TGGCGGGGTG	TCTTGTTCT	TCCCAGGCC	GTGGGAGCGG
	106681	GGCGTCTAG	GAGCACGGCG	GAGTCGGCCT	GGGCGGGTGCG	CCTGCCGCGG	GCGGGGTCGG
	106741	TCGCCGGGT	CGCGGAGGCC	TTAGGCGCCC	CGCGCGTCAT	TTTGGGGGTC	CGCCGCGGGAG
	106801	GGCGTGCAG	GCGCCCGCCG	GCCCCCACGG	GGCCCCCGGG	GGGTGGAGGA	GCGCGCGCGG
20	106861	GGCGGGGCC	GTGAGAGCCC	GCGACGGGAC	CCGAACGACG	CGGTCGCGCG	GTATCCCAGG
	106921	ACTCGTCGTC	GTCCGAAGAC	GAGTCCCGGT	AGAGGGCATA	CCCAGCCTCG	TCATAATGGA
	106981	GAAAGCGAAC	CTCGCCCCTC	GGGCGCGCGC	GCATCGGGCC	AGCGCCGCGG	CGGAAGTCGT
	107041	CGCGCGGACT	CTCTGGGTCC	GCCGGGGAGA	CCGGGCCATA	GTACAGCTCC	TCGTGGGTCC
	107101	CGCGCGGC	TTCCCGCGGA	CACGACTTGA	CGGAGCGGCG	AGAGGTCAATG	GTCTATCGGA
25	107161	GACACCGGGG	ACGCCCGTGC	GGATCACAGG	GAAGGCGTCG	GCGAAGGAGG	CAGAGAGCGT
	107221	CGGAAGGCGG	CGAGGGAGGG	AAAGAGGGAG	ACCGGCGGGG	TACGGGAGAG	CAGCGAGGGC
	107281	CTGCGTAACC	CACGGGGGCC	GGCGGAGTGG	CTCCCTGCGG	TTTGGGGGG	AGAGTTTATA
	107341	GGAAAGTGGAT	ATAACCGCAG	GCGACGGGAC	TAACCAATCC	CCGGGGGGGC	AACGGACAGA
	107401	CACGCCCGA	ACAGGCCCGA	CTTCCCGCAG	GAAGCAAAGG	CCGGGGGCCG	CCCAACGACA
30	107461	CGCCCACCCC	TTCCCAACAG	GGCGGGCTCA	GGCTGACCCG	CGGGCCAGTG	CCCGCTGACA
	107521	TATCTGATAC	ACGTGCGCGA	TCATACATAC	GCCCCATCGAG	GTCATGCCA	GATAAAAGGG
	107581	CACCAAGGACC	CCCAGGGACGG	ACACCAACACC	GGCGCTGTGCG	CCCCGGCATT	GCGCGTCCCC
	107641	GATAACGCCG	CGTGCCTCG	CCGCGTTGCG	GGGCTCCCCG	GGCACGCCG	CGACGAGCGC
	107701	GACGAACAAAC	AGCACCAACCC	AGCGGCCCGAG	TCTTGCGGGT	TTCCCGTCA	TCGCGCGAT
35	107761	GAGTCAGTGG	GGGCCAGGG	CGATCCTTGT	CCAGACGGAC	AGCACCAACC	GGAATGCCGA
	107821	TGGGACTGG	CAAGCGGCCG	TAGCTATTG	GGGGGGCGGA	GTCGTTAAC	TGAACATGGT
	107881	CAACAAACGC	GCGGTGGATT	TTACCCCGC	AGAATGCGGG	GACTCCGAAT	GGGCCGTGGG
	107941	CCCGCTCTCT	CTGGGCTCTG	GAATGGCAAT	GCCGCGGGAC	TTCTGCGCGA	TTATTACAGC
	108001	CCCCCGGGTA	TCCGGCCCCG	GGCCCCACGT	GATGCTCGGT	CTCGTCGACT	CGGGCTACCG
40	108061	CGGAACCGTC	CTGGCCGTGG	TCGTAGCCCC	GAACGGGACG	CGCGGGTTTG	CCCCCGGGGC
	108121	CCTCCGGGTC	GACGTGACGT	TTCTGGACAT	CCGGGCCACC	CCCCCGACCC	TCACCGAGGC
	108181	GAGCTCCCTG	CACCGTTTC	CGCAGTTGGC	GGCGTCCCCG	CTGGCAGGGT	TACGAGAAGA
	108241	TCCTGGTTG	GACGGGGCGC	TCGCGACCGC	GGGGGGGGCG	GTGGCCCTGC	CGGCCAGACG
	108301	GCGCGGGGGA	TCGCTGGTCT	ACCGGGGCGA	GCTAACCGCAG	GTGACCACCG	AGCACGGCGA
45	108361	CTGCGTGCAC	GAGGCGCCCG	CCTTCTGCG	AAAGCGCGAG	GAGGACGCGAG	GCTTTGACAT
	108421	TCTCATCCAC	CGAGCGTGA	CCGTCCCGGC	CAACGGCGCC	ACGGTCATAC	AGCCGTCCCT
	108481	CCCGTATTG	CGCGCGGCCG	ACGGACCAGA	GGCCTGCTAT	GTGCTGGGGC	GGTCGTCGCT
	108541	CAATGCCAGG	GGCCTCCCTG	TCATGCCAAC	GGCGCTGGCCC	TCCGGGCACG	CCTGTGCGTT
	108601	TGTTGTATGT	AACCTGACCG	GAGTCCCGGT	GACCCCTACAA	GCCGGGTCCA	AGGTCGCCCA
50	108661	GCTGCTCGTC	GC GGGGACCC	ACGCCCTCCC	CTGGATCCCC	CCCGACAAACA	TCCACGAGGA
	108721	CGGCGCATTC	CGGGCCTACC	CCAGAGGGGT	TCCGGACGCG	ACCGCCACCC	CCCGAGACCC
	108781	GCCGATTITG	GTGTTTACGA	ACGAGTTTGA	CGCGGACGCC	CCCCCAAGCA	AGCGGGGGGG
	108841	CGGGGGGTTT	GGCTCCACTG	GCATCTAGAC	CGCGCCTCGC	GTCGGGCCAG	ATGGGGCCCC
	108901	GGTCAATAAA	GAGCTCTGTT	TCGCATATGC	CCTGGTGTG	GCGGTTTTTT	TTTGTGTC
55	108961	GTCTGCCCGG	CGCTCGGTTG	TCCGTTCTGT	CGTCGCTATC	ACATACGAC	AAACACACGG
	109021	GTAGAGTGG	ACCGAAACCG	GTCGACGTTT	ATTCAACACA	CAGAAACACA	AGCTAAGCGA
	109081	GAAGGAGGGG	GGCCTCGGTC	GACGAGGCCT	GGCGTTTGGG	GGCGGACGTG	CGATGACGTG
	109141	GGTCGGTGT	AGGGTCCCGC	GGGGGCACGG	GCCCCGGGGCG	AACGGGGGAT	CTGTCGCCGG
	109201	CGTGGGTGAC	TGGGACCGAC	GCAACCTCCG	GGGCTTGTGC	CCTCGTAGGC	CGGGGGGGGG

	109261	CCTCGGTCGC	TCCAAGCCCC	GCGGTGCGGG	TCCCTCCGGC	CAGAGCCGAG	GTGGAGAGAC
	109321	CAAGGGCCCG	CTCCCGCATC	GCCACGTCCT	CCATGACCAC	GTGCGTCTCG	GCCATGCTCC
	109381	GAATGGCCTG	GGAGACGAGC	ACGTCCGCCG	ACTTGTCCGC	GGCCCCCACC	GACATGTACA
	109441	TCTGCAGGAT	GGTGGCCATG	CACGTGTCCG	CCAGGGCGGC	CATCTTGTCC	CGATGCGCCG
5	109501	CAACGGCCCC	GTCGATGGTG	GAGCCCTCGA	GTCCCCGGTG	GTGGCGGCC	AGCCTCTCGA
	109561	GGTTGACCAT	GCAGGCGTGG	TATGTGCGGG	CCAGGGCGCG	CGCCTTCACG	AGGGCGCCGGG
	109621	TGTCGTCCAG	CGACTCTAGG	GCGTCGTCGA	GCGTGATGGG	GGCAGGGAAA	AGGCATTGAA
	109681	CCACCGCCAG	GGCCTCCCTG	AGCCCGGGCT	CCGCCTCCGA	GGGCGGAGCC	GCGGCCGAA
	109741	TCATCTCATA	TTGTTGTTCC	TCGGGGCGCG	TTCCCCAAC	GCACAGCAC	CCGAGCAGGG
10	109801	ACGCCATCCC	GGAACACCGC	CGCGGCTCTG	CGCCGGCTTT	CCCCCACCCC	ACCCCCCTCCG
	109861	GGTCGCAGG	GGCGATGGGG	ACGGAAGACT	GCGATCACGA	AGGGCGGTG	GTTGCGGCTC
	109921	CCGTGGAGGT	TACGGCGCTG	TATGCGACCG	ACGGGTGCGT	TATCACCTCC	TCGCTCGCCC
	109981	TCCTCACAAA	CTGCCTGCTG	GGGGCGGAGC	CGTTGTATAT	ATTCAAGCTAC	GACCGTACCC
	110041	GGTCCGATGC	GCCCCAATGGC	CCCACGGGCG	CGCCCACCGA	ACAGGAGAGG	TTCGAGGGGA
15	110101	GCCGGCGCCT	CTACCGGGAT	GCGGGGGGGG	TAAATGGCGA	TTCATTTCGG	GTGACCTTT
	110161	GTTTATTGGG	GACGGAAGTG	GGCGTGACCC	ACCACCCGAA	AGGGCGCACC	CGGGCCATATGT
	110221	TTGTGTGCCG	CTTCGAGCGA	GCGGACGAGC	TCGCGGTGCT	CCAAGACGCC	CTGGGCCGCG
	110281	GGACCCCATT	GCTCCCGGCC	CACGTCACAG	CAACTCTGGA	CTTGGAGGCG	ACGTTGCGC
	110341	TCCACGCTAA	CATCATCATG	GCTCTCACCG	TGGCCATCGT	CCACAACGCC	CCCGCCCCGCA
20	110401	TCGGCAGCGG	CAGCACCGCC	CCCCTGTATG	AGCCCCGGCA	ATCGATGCGC	TCGGTCGTCG
	110461	GGCGCATGTC	CCTGGGGCAG	CGCGGCCTCA	CCACGCTGTT	CGTGCACCCAC	GAGGCGCGCG
	110521	TGCTGGGGGC	GTACCGGCCG	GCGTATTATG	GGAGGCCCCA	AAGCCCCTTT	TGGTTCTGA
	110581	GCAAATTCCG	CCCGGACGAA	AAGAGCCTGG	TGCTGCCGC	TAGGTACTAC	CTACTCCAGG
	110641	CTCCCGCGCTT	GGGGGGCGCC	GGAGGCCACGT	ACGATCTGCA	GGCCGTGAAA	GACATCTGCG
25	110701	CGACCTACGC	AATCCCCCAC	GACCCACGCC	CCGACACCCCT	CAGTGCCCG	TCCTTGACCT
	110761	CGTCGCCGC	CATCACTCGG	TTCTGTTGCA	CGAGCCAGTA	CTCCCGCGGG	GCCGCCGGCCG
	110821	CTGGGTTTCC	GCTGTATGTG	GAGCGCCGCA	TCGCGCCGA	CGTACGCGAG	ACCGGCGC
	110881	TGGAGAAGTT	CATCGCCCAC	GATCGCAGCT	GCCTGCGCGT	GTCCGACCGG	GAATTCA
	110941	CGTACATCTA	CCTGGCCCAC	TTTGAGTGT	TCAGCCCCC	GCGCCTGGCC	ACGCATCTCC
30	111001	GGGCCGTGAC	CACCCACGAC	CCCAGCCCCG	CGGCCAGCAC	GGAGCAGCCC	TCGCCCCCTGG
	111061	GTCGGGAGGC	GGTGGAACAG	TTCTTCCGGC	ACGTGCGC	CCAGCTGAAC	ATCCCGAGT
	111121	ACGTAAGCA	AAACGTCACC	CCCAGGGAAA	CCGCCCTGGC	GGGAGACGCC	GCCGCCGCCT
	111181	ACCTGCGCGC	GCGCACGTAT	GCCCGGGCGG	CCCTCACGCC	CGCCCCCGCG	TACTGCGGGG
	111241	TCGCAGACTC	GTCCACCAAA	ATGATGGGAC	GTCTGGCGGA	AGCAGAAAGG	CTCCTAGTCC
35	111301	CCCACGGCTG	GCCCCGGTT	GCACCAACAA	CCCCCGGGG	CGACGCGGGG	GGCGGCACTG
	111361	CCGCCCCCCC	GACCTGCGGA	ATCGTCAAGC	GCCTCTCAA	GCTGGCCGCC	ACGGAGCAGC
	111421	AGGGCACGAC	GCCCCCGGCG	ATCGCGGCTC	TCATGCGGA	CGCGTCGGTC	CAAACCCCCC
	111481	TGCCCGTGT	CAGGATTACC	ATGTCCCCGA	CCGGCCAGGC	GTGCGCCGCG	GCGCGCGGGG
	111541	ACGACTGGGC	CCGCGTGACG	CGGGACGCGC	GCCCCGGGA	AGCGACCGTG	GTCCGCGGACG
40	111601	CGGCGGCGGC	GCCCCAGCCC	GGCGCGCTCG	GCGGGCGGCT	CACGCGCCGC	ATTGCGCCC
	111661	GGGGCCCCCG	GCTCCCCCG	GGCGGCCTGG	CCGTGGGGGG	CCAGATGTAC	GTGAACCGCA
	111721	ACGAGATCTT	CAACGCCGCG	CTGGCCGTTA	CGAACATCAT	CCTGGATCTG	GACATCGCCC
	111781	TGAAGGAGCC	CGTCCCCCTT	CCCCGGCTCC	ACGAGGCCCT	GGGTCACTTT	AGGCGCGGGG
	111841	CGCTGGCGGC	GGTTCACTG	TTGTTCCCG	CGGCCCGCGT	AGACCCCGAC	GCCTATCCCT
45	111901	GTTATTTTTT	CAAAAGCGCC	TGTGGCCCC	GCGCGCCGCC	CGTCTGTGCG	GGCGACGGGC
	111961	CCTCGGCCGG	TGGCGACGAC	GGCGACGGGG	ACTGGTCCC	CGACGCCGGT	GGTCCCGGCCG
	112021	ACGAGGAGTG	GGAGGAGGAC	ACGGACCCCA	TGGACACGAC	CCACGGCCCC	CTCCCGGACG
	112081	ACGAGGCCGC	GTACCTCGAC	CTGCTACACG	AACAGATAAC	AGCCGCGACG	CCCAGCGAAC
	112141	CGGACTCCGT	CGTGTGTTCC	TGCGCCGACA	AGATCGGGCT	GCGCGTGTG	CTACCGGTCC
50	112201	CCGCCCCGTA	CGTTGTGCAC	GGCTCCCTGA	CGATGCGTGG	GGTGGCGAGG	GTGATCCAGC
	112261	AGGCGGTGCT	GTTGGACCGC	GACTTCGTGG	AGGCGCTAGG	GAGCCACGTA	AAGAACTTTT
	112321	TGCTGATCGA	TACGGCGTGT	TACGCCCCAGC	GCCACAGCCT	GCGCTTGGCC	TATTTCGCCA
	112381	AGATCGGCCG	CGACGGCTCC	GGTGTGCGGCC	GGTTATTGCC	CGTCTTCGTG	ATCCCCCCCC
	112441	CGTGCAGAGGA	CGTTCCGGCG	TTCGTGCGCCG	CGCACGCCGA	CCCAGCGGC	TTCCACTTT
55	112501	ACGCCCCGCC	CATGTTTCC	GGGGCCCCCG	GGGAGATCCG	CGTCCTCCAC	AGCCTGGGCG
	112561	GGGACTATGT	CAGCTTTTTC	GAGAAGAAGG	CGTCCCGCAA	CGCCCTGGAG	CACTTTGGGC
	112621	GACGCGAGAC	CCTGACGGAG	GTTCTGGGCC	GCTACGATGT	GGGGCCCCGAC	GCCGGGGGAGA
	112681	CCGTGGAGGG	GTTCGCGTCA	GAACTGCTGG	GGCGAATAGT	CGCGTGCATC	GAGGCTCACT
	112741	TTCCCGAGCA	CGCGCGGGAA	TATCAGGCCG	TGTCCGTTCG	CCGGGGCCGTC	ATTAAGGACG

	112801	ACTGGGTCCCT	GCTGCAGCTG	ATCCCCGGCC	GCGGCGCCCT	GAACCAAAGC	CTCTCGTGTGTC
	112861	TGCGCTTCAA	GCACGGCAGG	GCAAGTCGCG	CGACGGCCCG	GACCTTTCTC	GCGCTGAGCG
	112921	TCGGGACCAA	CAACCGCCTA	TGCGCGTCCC	TGTGTCAAGCA	GTGCTTGCC	ACTAAATGCG
	112981	ATAACAACCG	CCTGCACACG	CTGTTTACCG	TCGATGCGGG	CACGCCATGC	TCGGGGTCCG
5	113041	CTCCCTCCAG	CACCTCACGA	CCGTCTATCTT	CATAACGGCC	TACGGCCTCG	TGCTCGCGTG
	113101	GTACATCGTC	TTTGGTGCCA	GTCCGCTCCA	CCGATGTATT	TACCGGGTGC	GCCCCGGCCGG
	113161	GGCGCACAAAC	GATACGGCCC	TCGTGTGGAT	GAAGATAAAC	CAGACGCTGT	TGTTTCTGGG
	113221	CCCGCCGACC	GCCCCCCCCG	GCGGGGCATG	GACCCCCCAC	GCCCACGTCT	GCTACGCCAA
	113281	TATCATCGAA	GGTCGGGCCG	TGTCCCTCCC	GGCCATCCCC	GGCGCCATG	GCCGCCGGGT
10	113341	CATGAACGTG	CACGAGGCCG	TAAACTGCTT	GGAGGCCCTC	TGGGACACCC	AGATGCGCCT
	113401	GGTGGTCGTC	GGTTGGTTTC	TGTATCTAGC	GTTCGTGCGC	CTTCACCAAC	GACGATGCGAT
	113461	GTTCGGCGTC	GTGAGTCCC	CGCACAGCAT	GGTGGCCCCG	GCGACCTATC	TTTTGAACTA
	113521	CGCCGGCCGC	ATAGTGTGCA	GGCGTGTCTT	GCAATACCCC	TACACGAAAA	TCACCCGCCT
	113581	CCTCTGCGAG	CTATCCGTT	AACGCCAGAC	CCTGGTGCAG	CTGTTCGAGG	CGGATCCGGT
15	113641	CACCTTCTTG	TACCACCGCC	CGGCCATTGG	CGTCATCGTG	GGCTGCGAGC	TGCTGCTCCG
	113701	CTTCGTGGCC	CTCGGTCTCA	TCGTCGGCAC	CGCTCTCATC	TCCCGGGGCG	CCTGCGCGAT
	113761	CACACACCCC	CTGTTCTAA	CAATCACAC	CTGGTGTTC	GTGTCCATCA	TGCCCTTGAC
	113821	GGAGCTGTAT	TTCATCCTGC	GGCGGGGCTC	GGCCCCCAA	AACGCGGAAC	CAGCGGCC
	113881	CAGGGGGCGC	TCCAAAGGGT	GGTCGGGCGT	CTGCGGGCGC	TGCTGTTCCA	TCATCCTCTC
20	113941	CGGTATCGCC	GTGCGCTGT	GCTATATCGC	CGTCGTGGCC	GGGGTGGTGC	TGTTGGCGCT
	114001	TCGCTACGAA	CAGGAGATT	AGCGGCGCCT	GTGGATCTG	TGACGTAACG	CCTCTTCGCT
	114061	TGGAAGAGGC	GGACCCAGTC	GCCCATACAA	ATTAATATCA	CGACCCGCCT	CGGGCCTACG
	114121	CACCTCTCGCA	CGTCGCAATGC	AAATTAAAAT	CGTGCACAGA	GCCGATCCGG	CCTCGGGTCT
	114181	GCTTGGCCCT	CCCCCGGCC	AGCACAGGC	GGCTCGTCCG	ACTTCCGCAT	ACACCCAC
25	114241	CTACCGCGTG	CTTCCGCA	CCCGCTAACG	CGTGTACGCG	AAGGCGGACC	CAGACCTGCC
	114301	GTATGCTAAT	TAATACATA	AAACCCACCC	TCGGTGTCCG	ATTGGTTCT	GGGGACGGCG
	114361	GGGGCGGGGG	CGGTGACGCC	CGACGGGGAG	GGACAAGGAG	GAGTTTCGGA	AAGCCGGCCC
	114421	CGGTCGTGCG	GGTATAAGGG	CAGCCACCGG	CCCACGGG	GCTGTGTGCT	GCCGTGTGCC
	114481	GACCCCGGTT	GCGCGTCGGT	GCCGCTCCTC	GATTGGACC	CGGCCACTCT	CTTCGACAC
30	114541	GCGCCCCCTC	GGAGGACACC	CGCCATCCCA	GCCCCGGCGA	CCTACAAACAT	GGCTACCGAC
	114601	ATTGATATGC	TAATCGACCT	AGGATTGGAC	CTGTCGAC	GCGAGCTCGA	GGAGGACGCT
	114661	CTGGAGCGGG	ACGAGGAGGG	CCGCCGCGAC	GACCCCGAGT	CCGACAGCAG	CGGGGAGTGT
	114721	TCCTCGTCGG	ACGAGGACAT	GGAAGACCCC	TGCGGAGACG	GAGGGGCGGA	GGCCATCGAC
	114781	CGGGCGATTC	CCAAAGGTCC	CCCGGGCCCG	CCCGAGGACG	CGGCACCCCC	CGAAGCCTCG
35	114841	ACGCTCGCC	CGGCAGCGCG	GCGGGGAGCC	GACGATCCGC	CACCCGCGAC	CACCGCGTGT
	114901	TGGTCGCGCC	TCGGGACAG	GCGGTGGCCT	TCCCCCGGG	AACCGCACCG	GGGAAGGTG
	114961	GCCCGCATCC	AACCCCCGTC	GACCAAGGCA	CCGCATCCCC	GAGGCGGGCG	GCGAGGTCGC
	115021	CGCGGGGGCC	GGGGTCGATA	CGGCCCGGCG	GGCGCCGACT	CCACACCAAA	ACCCCGCCGG
	115081	CGCGTCTCCA	GAAACGCCA	CAACCAAGGG	GGTCGCCACC	CCGCGTCGGC	GCGGACGGAC
40	115141	GGCCCCGGCG	CCACCCACGG	CGAGGCGCG	CGCGGAGGGG	AGCAGCTCGA	CGTCTCCGGG
	115201	GGCCCGCGGC	CACGAGGCAC	CGGCCAGGCC	CCCCCTCCGC	TGATGGCGCT	GTCCCTGACC
	115261	CCCCCGCACG	CGGACGGCCG	CGCCCCGGTC	CCGGAGCGAA	AGGCGCCCTC	TGCCGACACC
	115321	ATCGACCCCCG	CCGTTGGGC	GGTTCTGCGA	TCCATATCCG	AGCGCGCCGG	GGTCGAGCGC
	115381	ATCAGCGAAA	GCTTGGACG	CAGTGCCCTG	GTCATGCAAG	ACCCCTTTGG	CGGGATGCCG
45	115441	TTTCCCGCCG	CGAACAGCCC	CTGGGCTCCC	GTGCTGGCCA	CCCAAGGGGG	GGGGTTTGAC
	115501	GCCGAGACCC	GTCGGGTTTC	CTGGGAAACC	CTGGTCGCTC	ACGGCCCGAG	CCTCTACCGC
	115561	ACATTGCGAG	CCAACCCCGCG	GGCGCGCTCG	ACAGCCAAGG	CCATGCGCGA	CTGCGTGTGCT
	115621	CGCCAGGAAA	ATCTCATCGA	GGCCCTGGCG	TCCGCGGATG	AGACGCTGGC	GTGGTGCAG
	115681	ATGTGCATT	ACCACAAATCT	GCCGCTCCGC	CCCCAGGACC	CTATCATCGG	AACGGCGGCC
50	115741	GCCGTGCTGG	AAAACCTCGC	CACGCGCTCG	CGCCCCTTTC	TGCAGTGTCA	CCTGAAGGCC
	115801	CGAGGCCTGT	GCAGGGCTGGA	CGACCTGTGC	TCGCAGCGAC	GCCTGTGCGA	CATTAAGGAT
	115861	ATTGCTCCT	TTGTGTTGGT	CATCCTGGCC	CGCCTCGCCA	ACCGCGTCGA	GCGCGGGCGT
	115921	TCGGAGATCG	ACTACACGAC	CGTGGGGGTT	GGGGCGGGCG	AGACGATGCA	CTTTTACATC
	115981	CCGGGGGCCT	GCATGGCGGG	TCTCATTGAA	ATACTGGACA	CGCACCGCCA	GGAGTGTTC
55	116041	AGTCGCGTGT	GCGAGCTGAC	GGCCAGTCAC	ACTATCGCCC	CCTTATATGT	GCACGGCAAA
	116101	TACTCTACT	GCAACTCCCT	ATTTTAGGCA	AGAATAAACAA	TATTGACGTC	AACCCAAGTG
	116161	GTTCCGTGTC	ATGTTCTTGG	CGCGCGCGGC	GGGTGGGGCG	GAGACTCCGG	GGCGATGCCG
	116221	GCGTGCACGT	GGGAGGAGGG	CGATGACCCA	CCGGATAAAT	GTGGGGCCCC	GGCCCGGCC
	116281	GCTTCATAGC	GCGTCCAGGA	ACTCACGGCA	GACGCGTATT	CACCGACCCC	CCCCTCGCAA

	116341	CATGACAACG	ACGCCCTCT	CGAACCTGTT	TTTACGGGCC	CCGGACATCA	CCCACGTCGC
	116401	CCCCCCGTAC	TGTCTGAATG	CCACGTGGCA	GGCCGAAAAC	GCCCTGCACA	CGACCAAAAC
	116461	GGACCCCGCG	TGCCTGCCG	CGCGGAGTTA	TTTAGTCCGC	GCCTCTGCT	CGACCAGCGG
	116521	CCCCATCCAC	TGTTTTTCT	TTGCGGTGTA	CAAGGACTCG	CAGCACTCCC	TTCCGCTGGT
5	116581	TACCGAGCTC	CGCAACTTCG	CGGACCTGGT	CAACCACCCG	CCCGTCTGTC	GCGAACTAGA
	116641	GGATAAAGCGT	GGGGGGCGGC	TGCGGTGAC	GGGCCCATTC	AGCTGCGGAA	CCATCAAGGA
	116701	CGTCTCCGGT	GCATCCCCG	CGGGGAATA	CACGATAAAC	GGTATCGTGT	ACCACTGTCA
	116761	CTGTCGGTAT	CCGTTCTCCA	AAACCTGCTG	GCTCGGGCA	TCCCGGGCCC	TACAACACCT
10	116821	TCGCTCTATA	AGCTCAAGCG	GCACGGCCGC	TCGCGCGGCA	GAACAGCGAC	GCCACAAAAT
	116881	CAAAATCAAA	ATCAAGGTAT	AACCCACCCC	CTTCCCTCCG	AGTCCGTATG	CAACCTCATT
	116941	AATAAAGAGT	GAGAACCAAC	CAAACAGAC	GCGGTGTGAG	TTTGTGGGTT	ATAGGAACCC
	117001	GGTAAATACC	ACGCGACGAA	CCAGCATGTG	TGTTAACGCA	ACTTTTATTC	GTTGTATCGC
	117061	GGGAGGGGGG	AAGCTTACCG	CCAAAGGAAG	GCCAAGATGA	TAACGACGAC	CACCGCGACC
15	117121	ACCCAAAAAA	CCGCATGACG	ACACGTCCCC	CCACACCACC	CTGGGGCTTG	GGCGTGTGCG
	117181	GAGCTCGACG	CACAGGGGC	CGCGCGTTGG	GCCCCGTACA	GCTCTCGCGA	ATTGACAAGC
	117241	GGGGGTGCGCC	ACGTGCGCGA	GCTTGCACG	CGGGGTTGGT	CGGCCGGGCC	CACGGACCCG
	117301	CCCGGTGGCT	CGGTCGGACA	TGCGGCCATG	ACCATGGCGT	AGGTGGGGGG	GCGATCCGAG
	117361	GTCGCCTCTG	CGTAAGTAGG	GAGGCCCGAC	GGGAGGTGCG	CTCCCACGCC	AGGGTGGGCC
20	117421	CCAATCATAG	TTTCCGGTAG	AAACAGGGGG	GTCTCCACAA	ACAACCCCCC	TGGGCCAAAG
	117481	CTCCGGCGCC	GCGCCCGTCG	TTCGCGCGCG	CGCCTGGCGC	GCCGAGCGGC	CCGCCAGGCG
	117541	GCGCGGCGCG	AGCGGCCACG	CTCACACACC	TCGCCGTCAC	CGGAAGAAGC	CGGTGAAACA
	117601	AGCCAACCG	GCGACGTCCC	TGCAAGATAC	GTTGGAGGCG	AGTCCGTGGG	GTTGTGATA
	117661	TCAATAACGA	CAAACGGCC	CGCGCTCGCG	CCGGCCACAC	TCTCGTATGG	GGGCGGGGCG
25	117721	TCAATCACGC	TATCATCTCC	GTCACTCCCTG	CATGCGTGGG	CATGCCACAGC	CCCAACAGCC
	117781	ATGGTGGGGA	TTCGCGCTC	AGAACGCTGC	ATGTCGTGTC	GTGGTCGCGA	GTCCAACGTG
	117841	CCTCCCCCAC	CCACCAACACA	GCCGGTCCCC	ACGCCGACCA	CTAGACCGCA	GACGTCGCC
	117901	AACCGAGGTC	CCCGTGACA	GACCGCGCCT	TTTATAGCCC	CAGGGGTTGC	TAATTAACGC
	117961	ACGCATGCG	ACGCAATTAA	TTTGCTCTCC	CCGCGTCCTC	CCCTCCCCCTG	CGCACACGTG
30	118021	ATAGGTCTTG	GGAACCCGAG	GGGCGACGCG	GGGAAAGCGC	GCCCCCGCCC	GGCCGCCGCG
	118081	CGCCCCCGCC	CGGCCGCCGC	GCGCCCCCGC	CGGGCCGCCG	CGCGCCCCCG	CCCGGCCGCG
	118141	GCGCGCCCCC	GCCCCGGCGC	CGCGCGCCCC	CGCCCCGGCG	CGCGCGGCC	CCGCCCGGCC
	118201	GCCC CGCTCG	CGCCGGCGC	CCCTCCCGGC	GCTTCCGGGG	TCTTCCCTTC	CTTCCCCGCC
	118261	GCGACCCCCG	CCCCGCCCCA	CCGCCCCCGC	CGGCAGGGGG	GCCCCGGCGC	CGGCAGAAC
35	118321	ACACAGACGA	ACACACGGTG	GCGATCTTTT	CTTTACTTCG	GCGGACCAGC	GAGCCCCGGC
	118381	CCC GGCGCCG	GCCCCGCCGC	CACACCCACG	GCACCCCCCC	CGCCGCCCGA	CCCCGGGGTC
	118441	CACACAGGAG	CGCGCGGGCG	GCAGAAACGC	GGGCGCGGCG	GCGGTGGGG	TGGGAGTGGT
	118501	GGTGGGGGAC	ACGAAAACAC	ACCCACGACA	CTCTCCCCCC	ACCCCGACCG	CCGCCGCC
	118561	CCACCGGCGG	GATCGCGCG	AGACGCAGCC	GGGCCCCCCC	CCACCACCCG	CCCACCCCG
40	118621	TACCCCGCGC	CCGCAGCCTC	CGGCAGCACG	CCGACCAACCG	CGGCCACCCCC	CCAAACAGCC
	118681	AAGGCGCGGT	GGGGGGCGTG	GTGGTGAACG	ATGGGGGAA	CACGGGGGGG	AGGGGTCCGG
	118741	GGCGAGGCGG	GCGGGCGAAG	GAAGGGGGGG	TGGTGGCGGC	GGCGGTGGAA	AGGGAAAAAA
	118801	CGGAGGATGG	AAGGGCAGAA	GATGGGGAGT	CCCGATCCTC	CTCCTGCGATC	CCCTCGCC
	118861	CCATTCTCCG	GCCCTCCCGCG	AGTCCCAGCG	CCCCCCCCCC	GCCGCCCGAC	GAAGGAGAAC
45	118921	CAAGCACCGC	AGCCGGAGAG	GCCGAGCGGG	GAGTGGGGGG	CGGGGGGGGA	GGATGGCGGA
	118981	GAGAGAGAGA	GAGAGAGAGA	GAGGGGGGGG	GGGGGAGAGG	GAAAGCAACG	GGAAAGAGAG
	119041	GCGCGCGGAA	AAGCAGCAAG	AGGGGGGAGC	GGGCGAGCCG	GGCAGAGTGC	GGAGCCCCCG
	119101	GAGCCC CGCG	CCGCAGCCGA	GCAGCGCCGC	GGGCTCCGGG	GCCGGGCCGG	GCCGGCAACG
	119161	CCCCCGCGCCG	GCCGCGCGGG	AGAGAACCCC	TGTGTCTATTG	TTTACGTGGC	CGCGGGCCAG
50	119221	CAGACGGGCC	CGGGGCCAGC	AGACGGGCCG	CGGCCGCCAGC	GGCCACGCC	TCCCGCCGCA
	119281	TTAGGCCCCC	CGGGGCATCC	GGCGGCCGGC	CCCACGCCCT	TCCATTAAAC	ACTCCCACGT
	119341	TGGGGGGGGG	CGCGCCAGCT	GAGTGTCTG	CGGTTGCGGG	CGCCGTGCC	GGAGATCCAT
	119401	TAAGCCGCGC	GAGAGCCCAG	GCCCCCGCCC	CGTGTGCTG	TGGGCAATTTC	TGCTCGCTCA
	119461	TCCCTGTCTT	TATAAAACCG	GGGGCGCGGC	AGCAACGAAC	GCAGGGGCC	GCCGCCGATC
55	119521	GAGAGGGACT	CCGGAGAAGG	AAGGCTGCTC	CGCGCACCGG	CGCGCCCTTC	TCCCTCTCCC
	119581	TCCCTACCTC	CCCCCTCTCTT	CCCCCTTTTT	TCCCCCGCCT	CCCGTCTTCT	TCCCGCCCTC
	119641	CGAGGGTCCG	CCTCTTGCGCT	CGGGGACCCC	CGGGCGGGCC	GGGGCTTGGC	CGCCGAGGTG
	119701	CGCCCCGGCC	GGAGGGGGCC	CCGCACCTCG	GCGGCCGCCC	CCTCCGGCGC	CGCGCGTTCG
	119761	CGAAAGGCGC	GAAAGGGGCC	CCCGGAGGCT	TTTTTCGATT	CCCGGCCGGG	GGTCCCGGGGT
	119821	AGCCGGCCGG	CGCCGGCG	AAGGCGTCCC	CGGCCCGGGCG	GTCCGGCCCG	GGCCCCCGGC

	119881	GGAGCGCGGG	GGCCCCGGGG	CCCCGGGCCG	CGCCGGCGGC	GTTTCCGCGT	TCCGTTCTT
	119941	CTCCCTCCCG	GGCCGCCCCG	CTCCC GG GCC	CGACCCCTCGC	CCCTTCCCTT	CTCCTCGTCT
	120001	TCCCCCGTCC	CGCCGCGCCC	CTTCCCTCTT	CCTTCCTCTCT	CTCTGTCTCG	CTCTCCTCAC
	120061	ATTTCCCCCC	CCCCCCCCCG	CGGCCGCCGC	CCTTTGCCCG	CGTCCCACCG	AGACGCCGCG
5	120121	CCGCGTGAGC	CGTCCGCCGG	GGGACCCAGG	CTCCGGGGGG	GGGGGGCGCC	TGCGTGTGTC
	120181	TCGTGTGAGA	GAGCGCGCCC	CTCGAACGCC	GCGCGTTCTC	GCAGGTAGGT	TTAGGGTCTGT
	120241	ACAGGTGAGC	TTCTGCTGAG	GCGGCCGGGG	GAGGGGGGGG	GGGCGGGCGG	AAGAGAGAAG
	120301	AGAGCAGGGG	TTGGGGGAGA	ACTGTTCTTC	CTCCCCCTTT	CAAGAAACAC	GAGGCCGGGG
	120361	TCCCCAGAAA	GGCAGGCAGG	TCAGCCGCAC	CGCCCGCGAG	CCAACCCGTA	TCCTTTTTTT
10	120421	CTAGGTGTTT	TTGTTTTTGT	TTCTGTTTTT	GTTTGTGTTT	TTATTATTTT	CGCGGATCCG
	120481	GCGTGTTCGG	ATCCACCCCC	CCTTTCTCCT	TCCTCTTCCC	TTCCACCCAC	CCCCGTTTCC
	120541	CCCCCCCCCG	TCGTCGTTCC	CGGGGGGGCA	GGCGCGGGTC	GGGCCCCTAC	GCCACCGGCC
	120601	CCCACGCGCC	GGTCACCCCC	CCCCAACAAAC	CCCAAAGGCG	CGTGCCTGGC	CACAGCCGTG
	120661	GGTGTGGCGC	CCGTCCCCCT	CCTCTACCGC	GTGGGCGCGG	GCGGGGGGGT	GGTGGTAGTG
15	120721	GTGGCGGAAG	GAAACGGGCC	GGGGGCCGGG	GCCGCTAGGG	AAAGGTAGGC	ACGCGCGCGG
	120781	TGTGTCGACT	TGCATGCC	GCAAAACGCG	TCGTGTCGTG	TTGTGTCGTG	GTGGGCCGTG
	120841	TTGTGGTGGG	CCGTGTGGTG	TGGTGTGGTG	TTGCGAACGC	GCGAGCCCC	TCGCCCCGAT
	120901	GGGAGTCTCC	CCGCAGCCAG	GGTAAGGAGG	GGCGGGCGTG	GCGGGCAGGT	GTGCGGGCGG
	120961	GGTGGGGTGA	GTGCGGGTGC	ATGCCTCGGG	TCTCCTCTTC	CTGCTCTCC	TCCCTTCTCC
20	121021	CAGCCAGGGT	GAGGAGGGGC	GGGCGTGGCG	GGCAGGTGTG	GGGGCGGGGT	GGGCGCCGGG
	121081	GCGGGGGTGG	GCACGGCGT	AAAGTGCGGGT	GCATGCCTCG	GGTCTTCTCT	TCTCCCTCCT
	121141	CCTTCCTCCC	ACCCGTCCCC	GGGGGCAGAG	GGCGTGCATG	CGTTGTGATT	CAACCGCCCT
	121201	CGCCCCCGCC	CCACTTCTCC	CCCTCTCTAT	CAAAGTTCCC	TGGCCCTTGG	CTTCGCGGCC
	121261	GTGGTGCGGC	TGACCCCCC	CCCTCTCCCT	CCCCGAGCCA	GGGCCCTCC	CACTCCTGCC
25	121321	CACCACCCCC	AGGGTCTGGC	CGGCCAGACG	TGCGTGCCT	GCACGATCGG	GCCCCCTCC
	121381	CTGTCAACAC	GGACACACTC	TTTTTTTACC	CGCCAGCCAG	CCCGCCACC	CACCAAGACA
	121441	GGGAGCCAGA	ACGAGGCCGG	GCCCCGGCTC	TGTTCTATGA	TAAAGACCAA	CAGGCCTCGG
	121501	GGGTGGGGGC	GGCTTCTCGT	GCCCCGCCCC	CCTCCTCTC	CTCCCTTCCC	CCCCATCCCC
	121561	GGCCCCCCTG	CGCGGGGAG	CTGCATCAA	GGCCAACAAAC	AAAGTGTGTC	AAAAGCATCA
30	121621	CAAAACTTTA	TTGTAAAATT	TTTATAAATA	TAAAGTTTTT	TTTTTCCTCA	AGTTTCAAC
	121681	AAGGCCAGAA	AGTCCATAAC	AAAATGCTGG	TGTGTGTTGC	TGTTCGGGGC	CGTGTCCGTC
	121741	CCCCCCCCCCC	ACTCCCACCC	CCACTTCTCG	TCTCCTCCCC	GTCTTCTCCC	CCCCCCACCT
	121801	CCCCCTGCC	CCGAGGCC	TCGGCCGGTG	GTCCGGTGGG	GGGCGGCTTC	CTTCGGGCAG
	121861	CAAGCCGAGT	GTTAGCTCCC	CCTACTCCCC	GTGGCCCGCG	GGGGCGTCGC	GGGCCGGCGC
35	121921	GGGCGCGCCC	TGCTCCGAG	ACCACGGGT	GCGCGACCGG	AGGCCGTGGA	AGTCCAGCGC
	121981	GCCCACCAGG	GTGCCCTGGT	CAAAGAGCAT	GTTGCCACC	GGGGTCATCC	AGAGGCTGTT
	122041	CCACTCCGAC	GCGGGGGCG	TCGGGTAGTC	GGGGGGCCTC	ACGCAGTTGC	GC CG GT G C T C
	122101	GGGGAGCAGG	GTGCGGGCGC	TCCACGCGGG	GGCCGCGGCC	CGCAGCAGGT	CCGCCACGTT
	122161	CCCCGTCTGG	TCCACGAGGA	CCACGTAGGC	CCCTATGTGG	CCCGTCTCCA	TGTCCAGGAC
40	122221	GGGCAGGCAG	TCCCCCGTGA	CCGTCTTGT	CACGTAAGGC	GCCAGGGCCA	CGACGCTCGA
	122281	GACCCCCCGC	ATGGGCAGGT	AGCGCGTGA	GCGGGCGCC	GGGTGCGGG	CCCCGGGCTC
	122341	GGGGCCGCC	TCCGCGTGGC	GCGTCTTCTC	GGCACACTTC	CTCGGCCCC	GC CG GC CAGC
	122401	AGCGCGGGGG	CCGAGGGAGG	TTTCTCGTCT	CTCCCCAGCG	CCGGACGCGG	ACCGGACGCT
	122461	CCCACCAAGCC	CCGCCCCCAG	AGGAAGAGGC	GGAGGAGGAG	GAGGC GG AGG	AGGAGGAGGC
45	122521	GGAGGAGGAG	GAGGCGGAGG	AGGAGGAGGC	GGAGGAGGAG	GAGGCGGAGG	AGGAGGAGGC
	122581	GGAGGAGGAG	GAGGCGGCGG	CGACCGCGGC	CTGGGACGAC	GGAGACGCCG	ACGGGGGCGC
	122641	GGCGCCCGCG	GACGCCGGGG	CGAGCGGCC	GTGGCCGCGG	TCGCCCAGT	CCGAGTCCGG
	122701	GGCCCGGCC	GGCGCCGCC	TCTTGGCCCC	CACCCCCCTGG	GGGGCGAGGG	GGGAGGCCGG
	122761	GGCGGCGGAG	GAAGAGCGG	AGGACGAGGC	CGCGGGGCC	GAGTCCGACC	CGCGCCTCTT
50	122821	CGGGGGGCGG	GCGCCGCC	CCTCCGCGGC	GTGGGGGGCG	GCACCGGGGG	TGTTGGTGCC
	122881	CGGGGGGACC	CGGGGTCTC	CCTCCGCGGC	CGGCCCTCCC	GACCCCGCGG	CGTCGGTCTC
	122941	GCCTGCCCGG	CCCAGACTCT	GTGCTTGGGT	GTCGGTCTGA	GCCTGGGTCA	TGCGCGACCG
	123001	GGCGCGCGG	TGCGCGTCCA	CCGGCACGGC	GGGCGGCCG	GGCCCGGCCG	CGTCCCGCGCT
	123061	CGCAGACACC	ACGGGGCGG	CGCGGGCGCG	GGGCGGACTC	CGGACGCGG	GGGCGACGGC
55	123121	CGCGCGGGGG	CGCGCGGC	GCCCCGACGA	CTGTGGCAGA	CCTCCCCCCC	CGGGGCCGA
	123181	GGACACCTGT	GC GGAGGAGG	AGGAGACAA	GGAGAGCGGC	CGGGGGCCG	CGGGGGCGCG
	123241	CGGAGACGGC	GGGGGAGAGT	CGCTGATGAC	TATGGGGGGC	TCCTGGGCCG	CGGGGGGCTG
	123301	TCTCGCGGGG	GGCGTCTGC	CCTCCGCC	CGCGGGCT	TCGCCCACCC	GCCGCGCTG
	123361	CGCGCGCCCC	CGCGCGGCCG	CAGGGGAAG	AGAGGCCACT	CTCGGCACGA	CGGGCGCGAC

	123421	GGCAGGGCCG	CCCCCAGACC	CAGATCCCAC	CCCCGCCCGC	AACGGGGCGC	CGCCGCTGCT
	123481	GCTGCTCCGC	GGGGCGCCAG	GGGGCGCCGG	TCGGGTCGCG	CGGGGCTGGG	AGGTTCCCGCG
	123541	GGTCGCCCCC	GCACCGCCGC	CCCCGCGCCG	GGCGCCTCTT	CGGGGGCGG	GCGGGACGTA
	123601	GTCCACTGCA	GAGGGAGACA	GAGACGGGAG	CCCCCGGTTA	GTGCCCGACC	CCCGCCCCGAC
5	123661	CCCCGCCGA	CCCCCGCCCG	ACCCCCGCC	GACCCCCGCC	CGACCCCCGC	CCGACCCCCG
	123721	CCCGACCCCC	GGCCGACCCC	CGCCCGACCC	CCGCCCGCCC	CCGCGCCGAC	CCCCGCCCGC
	123781	CCTCACCGTC	GGCCAGGTCA	TCGTCCTCGT	CGTCCGTGCC	GGGCCACGGG	GGGGTGGGCG
	123841	ACAGGGCGCG	GACCGTGTGT	CCCCCAGCG	ACAGGGAGCG	GGGGGCCGTC	CGCGGGTTGC
	123901	CCGTCCAGAT	AAAGTCCACG	GCCGTGCCGG	CCCGCACGGC	CGCCTCGGCC	TCCACGCGGG
10	123961	TCCGGGGGTC	GTTCACTATC	GGGATGGTGC	TGAACGACCC	GCTGGCGTC	ACGCCCACTA
	124021	TCAGGTACGC	CACCGGGGTG	TTGCACAGGG	GACACGTGTT	GCGCAACGGA	ATCCAGGTCT
	124081	TCATGCACGG	GATGCAGAAC	GGGTGCAGGC	AGGGAAAAC	CTGGCAGCGC	AGGGGGCGGGG
	124141	CGATCTCGTC	CGTGCACACG	GCACACACGT	CGCCCCCCCC	TCCCCTCTCC	GCTTCCCTCCT
15	124201	CACCCACGGG	CCCACCCCCA	CAGGATCCCT	GCACGTGCC	GGGCGTGGG	CTGCCCTGGC
	124261	GCTCGGCCGG	GGGCCGGGGC	GGGGCGCTGG	CCGCGTCCAT	CAGGCCGCC	TCGAACATCT
	124321	CCGTGTCCGT	GCTGCCGCC	TCGGAGGTGG	AGTCGCGGTG	AAGGTCGTG	TCAGAGATT
	124381	CCACCTCGGT	CTCCTCCTCC	GAGTCGCTGC	TGGCGAGCCA	CTGCATGTG	TTGAGCATCC
	124441	CCCAGGCCTG	CGGGGCGGGC	GGCTGCTTG	CAAAGCAACG	GGGGGGATT	AGAGGGCGCG
	124501	GGGCGTGAGG	CGGGACCCC	GCGCCGTGTC	CCCCGTGTCC	CTCCCTCACC	CCGGCCCCCC
20	124561	GCCCGCTGCT	TTTGTTCGG	AAGGGGGGGA	GAAAGGGGTC	CGTAACCAAA	GGTGGTCTGC
	124621	GTCCTTTGGA	TTCCGACCCC	TCGTCCTCCC	CCCTGTCCCC	CGCTCTCGG	CTCCTCCCTG
	124681	CCTCCCTCGC	CCCCCAGAG	GGTCGGGGGG	CGGCCACGG	CCCACGGGG	TCCCCCGACC
	124741	GCTTAAGCGG	GCCGGGGGTC	GGCCCCGTCA	AGCGTCCCCG	CCCCCGAGCC	CACCGCCCCG
	124801	GACCACCCCC	AACCCGCAGC	CGGGTGGTCC	GGGGAAAAGG	GGGGGCCTGA	GACCGGGGGG
25	124861	TCGCCCTCTC	ACCGTGCCGG	GGGTCTGCCG	CGGCCGCCGC	TCGGGGCCGG	GGTCCGCCCG
	124921	GGAGCTCGTG	CGGGGCCGGG	GTTCATGAG	CCGGGGTAGG	GTAGACTCGA	GACGGCGGCC
	124981	CGCGGTCTCT	CTCTTGGCGG	GTTTTAGTCT	CTGTCCTCTCC	GGGTCTCCTC	CTCCCGCCGG
	125041	GCCGCCGCTC	CGTCGCTCGC	AGTGCCGGGG	TGCGAATGCG	GCCCCGACGT	CACACGGGGC
	125101	TGCCCTATAC	CCGGCGCTA	TCCACTCCCC	CAAAGGGGCG	GCATTTACGA	TTCCCCCAAT
30	125161	AGCCCGCGCG	CCCGGGGGGG	GGGGAGGGAG	GGAATCCCC	CCTCTCGGGG	CGGCCCGCGTC
	125221	CCCGGGGACC	AACCGGGTGT	ACTCCAAGAA	CCCCATTAGC	ATGCGCCGCC	CCCGCGCCGAC
	125281	GCAGATGGGA	GTCCCCCGGG	CGCCCCGCCG	GCGCGGCCCT	GAGTGGTGCC	CGCCCCCGGG
	125341	GAAAAATTCA	TTAGCATACT	AGGAAGCCCC	GGGGACCAAT	AGGGGCCGAT	CAGCCCACCC
	125401	ACCCGGCGGC	GCGCGAGGCT	CTGCGTGTTC	TGCCAAGAAA	GTAATCAGCA	TAACCCGGAA
35	125461	CCCCGAGGGG	GTAATTACGC	GGGGAGCGAG	GGGCCGTCCG	AACGTTTTA	ATTACCAAA
	125521	GCGGGAATGG	CGGCGCGTTA	AAAGCTGCTA	ATTACCGCGA	GCGGGAACGC	CGGCCCATTA
	125581	AAAGTTGCTA	ATTACCATGC	GGGGGGATGG	CGGCCGGGAC	CGCCTATTAA	AAGTTTCTAA
	125641	TTACCATACC	GGGAAGCCGG	CGCGGGGGCG	TCGCCGGGGC	GGAGTCCGGG	CCCGCGCGGC
	125701	GGCGCGCGGT	TGGCCGGCGC	CGCCCCCTGG	GGCGGGCGGA	GCGCGGGGGC	GGCGCCGGGC
40	125761	CCTCGCGGAT	ATATAACGCGG	GGCTCCCATC	GTCTCTTCGG	AGAGCGGGCT	CGCGCAGACCC
	125821	TTCGGAGCTC	CGGGGCTCCG	CGGCCCGAGG	CCGCCCTCGC	CGGTTCAACC	CTAGACGCC
	125881	CGACGGCCCG	GGCCCCGCCG	GGCGGAGGAC	CCGCGCGCCG	CCGCCGCCG	CTCCTCCCTCC
	125941	TCCGGGGGTC	CGCCGTCTTC	GTGGGCCCCG	GCTCGGGCTC	GGGCCCGAGC	TCGGGCCTCG
	126001	GGCTCCAGGC	ACGGTCCGAT	GACCGCCTCG	GCCGCCGCCA	CGCGGCCGCC	GAACCGGTGC
45	126061	CGGTCGGCC	GCTCGCGCG	CCAGGACCCC	CGTGGGGCCA	GGCGCGGGC	CGTCTCCAG
	126121	GCCACCAAGAT	GGCGCACCTG	CACGCGCGGC	GAGAACGACA	CCTGCGGGCG	GGGAGACACCC
	126181	GGGGTCGGAG	GGGCGTCAGG	GGGTCGGAGG	GGCGTCAGGG	GGTCGGAGGG	GGCTCAGGGG
	126241	GTGGGAGGGG	CGTCAGGGGG	TCGGAGGGGG	GTCAGGGGGT	CGGAGGGCG	TCAGGGGGTC
	126301	GGAGGGGAGG	CGTACCTTC	CGCGCGGCCG	GTCCCGGGGC	GGGGACGCCG	GGGGCCGCCG
50	126361	CGGGCGCAGG	CTCAGGCAGC	CCAGGTACTC	CGTCGTGGT	CGCAGCGTA	GGGCCAGGTG
	126421	GGGCGGAAGG	GGGCGCTCGC	GCCCGCGCTC	CTTGCAGCGC	GGCGGGGGGG	GGCAGGCCGC
	126481	GGCAGGCGCG	GGGTGCGGGG	CCTCCGGCGC	CTTCCCCCG	CCCTCGCTCG	GGGGGCTGTGTT
	126541	CGCCCACCTCT	CGCTCGTCGT	TGCCGGCGTA	GTCCCGCTCG	TCGCTGTG	CCGCCTGGGG
	126601	CACCAGCAGC	CAGCGCCGA	GGAGCGAGGA	CGCGGCCGCC	GCGCTCTCGA	CCCGGGTTCC
55	126661	CGAGTCGTAC	GCAGGGACCA	TTTGGGAGTC	TGCGGTTGGG	AGCGCGCCGG	GGCGCGGCAC
	126721	GGCTGGAGCG	CGGGGGCGCG	GCACGGCTGG	AGCGCCGGGG	CGCGGCCGGC	GGCGGGGACCC
	126781	CGGGCGGCCG	GGACCCCGGC	GGCGGGGACAT	GGCGGGCGGC	TGGGCTCGGC	GTAGGCCCCGG
	126841	AGCCGGAGCG	CGTGGGGCG	GGAGAGTTCA	CTCGGCACGC	ATGCACGTG	AACCGCCAGT
	126901	CCGTGCTTGC	CTAGCGAACT	CACCCGTCCC	GGCTGGCGTG	CGCAGCCCG	GGCGTGTGTC

	126961	GGGCCCTCTT	AAGGGCGGCG	GGCAGGACGG	GGACTCCCGC	CCCGCCTCTT	TTCCCCCGGG
	127021	GAGTCAACCC	CCGGGGGGGG	TGTTTTTTGG	GGGGGGGGCGC	GAAGGCAGGC	GGCGGCGGGCG
	127081	GGCGGGCGGC	AGGGCAGCCC	CGCGCGCCCC	CTTCCCCGTC	CCTCCCCCGG	AGCGGGCGGC
	127141	TCCCCCGCGG	CGCGCCCCCC	TCCCCCGCGG	CGCGCGGGGG	CTGCCTTCCC	GCGGGCGGCC
5	127201	CCGCGCGGGCT	TTTTTCCCCTC	GCCCCCCCCC	GCGCGGCAGG	ACGGGGACTA	GCAGGCTGTG
	127261	CCGCAGACCA	CCACACACTC	CCAAGCTCCC	CGCCCCCCCC	AAGACGCCAG	TCGCACCACC
	127321	GCTCGCCCTC	GCAGACCAGA	CAGTTGCACC	AAGCACCCGC	CCGCCCCGAC	ACGGTTCCCC
	127381	GCCACCCCCCT	CCCTCCCCCTC	CATCCCGCCG	AGCTCGCGGC	AGCCCCCTCCC	CCCCCGCGGC
	127441	CACGGGGCTG	CGGTCCCCGCG	GCCGCCCTCCC	CCGCGGCCGC	CTCCCCCGCG	CCCCGGCCCCG
10	127501	GGGGCTTCCC	CCGCCCCCTCC	CCCCCGCGCC	CGGGCCCCGA	GCTCGCAGCA	GCCCCCTCCCT
	127561	CCC CGGCCCG	GTGCCTTCCC	TCCCGCTCCT	CGGGGGGGGC	TCGGGCCACC	TGACCTTCGT
	127621	AACCTGCACT	CAGGTCAAGAG	CCCCAGACCC	CCCGCGGGCG	CGGGAGACGT	GCCGCCCGCC
	127681	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC
	127741	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC
15	127801	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC
	127861	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC	CGACCCCCCGC	CCGCCCCGACC	CCCGAATAAA
	127921	CCACACAAGG	CGGTACGTTT	TCGTCTGTCT	CGTTCTTTAT	TTCTCACACA	CGCGCGCGGC
	127981	CATCGCCGCG	TCTGTCTTAA	AGGCGCACAG	ACGCCCAGATT	CCTTCCCCCT	CTCCCCATCT
	128041	CCCCCTCTCC	CCGCTCCCCTG	AAAGTTTCCCC	CCCCGTCACT	CCCCAAACAG	TCCGTGTCG
20	128101	TCGTCTCTCC	GCTCCCGCGTC	CATGTCCACG	GGCTCGCGCC	TCGGCGGGCGT	GGCCAGCCCC
	128161	CGGGCGGTCC	CCACCAACCTC	CAAGCCCGCCG	CCCGCCCGGG	CCAGCACCGT	CCCCCGCGCG
	128221	CCCGCGGCCG	ACGCCCAGCG	TATCTCGGGG	GGCGGGCCCC	CGTCCCGCGTC	GTGCGCGAGC
	128281	ACCAGCGGGG	GCGCGTCGCC	GTCGGGCTCG	AGCAGCGCCC	GCGCGCAGAA	CTCCCGCCGC
	128341	GGCCCGCGCA	GCTCCGCCGG	GCCGCCGCC	ACGGCGTCGC	GCCCCAGCGC	CACGTAGACG
25	128401	GGCCGCAGCG	GCGCGCCCAG	GCCCCAGCGC	GCGCAGGC	GGTGCAGGTG	CGCTCTCGTCC
	128461	TCGCAGAAGT	CCGGCGCGCC	GGGCGCCATG	GCGTCGCCCG	CGCCCGAGGC	GGCGGCCCGG
	128521	CCGTCAGCG	CCGGGAGCAC	GGCGCGGGCG	TACTCGCGC	GGGACATGGG	CACCAAGCGTG
	128581	TCGGGGCCGA	AGCGCGTGC	CACCGCGGTAC	CGCACGTTGG	CCCCGCGGCA	GAGGCCGAGC
	128641	GGCGCGCGGT	CGGGGTACAG	GCGCGCGTGC	GCGGCCCTCA	CGCGCGCGAA	GACCCCCGGC
30	128701	CCGAACACGC	GGCCGGAGGC	CAGCACGGTG	CGGCGCAGGT	CCCAGCAGCGC	CGGCCAGCGC
	128761	ACGGCGCACT	GCACGGCGGG	CAGCACCTCG	CAGGCCAGGT	AGGCAGTGTG	CCCGCAGAGC
	128821	ACGGGCCCGT	CGGCGGGCCA	GTCGCGGGCG	CGCACGGCGT	TGACGACGAT	GAGGCCGGCG
	128881	TCGCAGGCGC	CGGCCAGCAG	CCCCAGGAAC	TCCACGGCGC	CGGCGAAGGC	CAGGTCCCAG
	128941	GTGGACAGCA	GCAGCACGCC	CTGCGCGCCC	AGCGCCGAGA	CGTGGGGGGC	GCCGGTCCAG
35	129001	TTGCCCGGCC	AGGCGGGCGT	GGCGGGCCCG	CAGAGCGGGT	TGCCCAGGGC	CGCCAGCGAG
	129061	CAGGACAGCC	CGCCCGCTC	GGCGGACCAC	TCCGGGGGGG	GCCCCCCCCC	GGCGCGGCC
	129121	CGGGCCAGGT	CCTCGCCCGG	CAGCGGGCGAG	TAGAGGATCA	CCACGCGCAC	GTCTCCGGG
	129181	TCGGGCACCT	GGCGCATCCA	GGCGCGCCCG	CGGCGCAGCG	GGCCCGAGGC	GCGCAGCGGG
	129241	CCGAAGGCGG	CGGGCGCGCC	GCCGGGGGGG	GGGGCGCGC	AGCGCGCGGC	CAGCGAGGCC
40	129301	AGCGCGCGCG	GGTCGAACAT	GAGGGCCGGG	CGCCACGGCG	CGGGGAAGAG	CGGGTGGTCC
	129361	GTGAGCTCGG	CCACGGCCCG	CGGGGCGCAG	TAGGCCCTCA	GGGCGGGCGC	CGAGGGCGCC
	129421	GGCGTGTGGC	TGGGCCCCGG	CGGCTGGCG	CGCCAGCCGC	CCTGCGGGTC	GGGGCCCTCG
	129481	GGCGGCCCGGC	GGGTCAAGCGC	CGCGGGGGCGC	GGCGGCCCGC	CGGGCGGGCGT	CGGCGGGGGCG
	129541	GGGGCGCGCG	CCCCCGCGGG	AGGGGCGGCC	CGGGGGCGGG	GGGCGTCGGC	CGGCGCTTTC
45	129601	TTGGGGGGGC	CGGGGGCGCC	GCCCAGCGGG	GCCCTGGCCG	GGGCGGGGCT	CTTGCCTTGTG
	129661	CGCGCCTCTCC	CGGGCGCGGA	GGCGGGCGCG	GCGAGCGAGT	CGGCCAGCGC	GACGGTGTG
	129721	GCCAGCAGGG	GGCGCAGGCT	CTGGTTCTGG	AAGAGCAGGT	CGCGGGCGGC	GGCGGGCGGC
	129781	GAGCTCAGCA	GGCGCGGGCT	CCGCGGGCAGC	GCCGGGCCCA	GGGCCCCGGC	GACCAAGGCTC
	129841	ACGGCGCGCA	CGGCGGGCAC	GGCGGCCCTCG	CTGCCGCCGG	CCACGCGCAG	GTCCCCCGCG
50	129901	AGGCGCATCA	GCACCAAGCGC	GTGCGCACG	AACCGCAGCT	CGCGCAGCCA	GGCGCGCAGG
	129961	CGGGCGCGGT	CGGCGTGC	CGGGGCGGCC	GCGCCCGCGG	GCCCCGGGCG	CGGGGGCGCG
	130021	CGGGGCCGGG	CTCCGGCCAG	CCCCGGCACG	GCCGCCAGGT	CGCCGTGCAA	GCCCTCCG
	130081	AGCGCCTCCA	GGATCCCGCG	GCAGGCGGCC	AGGCACTCCA	CGGCCACGCG	GCCCGCCTCC
	130141	GCGCGCCGGC	CGCCGCCACC	ACCGCCGGCG	CCGTCGTGTC	CGTCGTGTC	GTCGGGCCCCG
55	130201	GCCGGCGCGG	AGGCGGGCGC	GGCGCTCAGG	CGCCCCAGGG	CGGCGAGCAC	CCCCCGCGGCC
	130261	CCGTAGCCGG	CGGGCACCGC	GGCGCTGTG	GGCGGGCGACG	CGGCCGCCGA	CGGCAACGGG
	130321	CGGGCGGCCGG	CGGGGGCTT	CCCCGGGGCG	TCGTCGCCGT	CGTGGCGGTT	GGCGTGC
	130381	CCGTCGTGCG	GGGTTCGCGC	CCCCGTCAAGC	GCGCGTCT	CGCGCGCCAG	CAGGGCGCG
	130441	TAGGCGCGGC	GCAGGCTGGT	CAGCAGGAAG	CCCTTCTGCG	CGCGGTCGTA	CGGGCGGGCTC

	130501	ATGGCCACGG	CGGCCGCCAC	GTGCGCCAGG	CCCCAGCCGA	AGCGGCCCGC	CGCCATGGCG
	130561	TACCCCAGGT	GGGGCACGGC	CCGCGCCACG	CTGCCGGAGA	TGAAGGAGCT	GCTGTTGCAC
	130621	GCCCGCGCCCG	AGATCCGGAA	GCAGGCCCTGG	TCCAGCGCCA	CGTCCCCGGG	CGCCACCGCG
	130681	GGGTTCTGGA	GCCACCCCAT	CGCCTCCGCG	TCCGGCGTGT	ACAGCAGCCG	CGTGATCAGG
5	130741	GCGTACTGCT	CGGCCCGCGTC	GCCCAGCTCG	GGCGCCCAACA	CGGGCGCCGG	GGCGCCCGAG
	130801	GCCTCGAAC	GGGCCCCGCG	CTCCTCCGCC	TCGGGCGCCC	CCCAGAGGCC	GGGGCGGCTG
	130861	TCGCCAGCC	CGCCGTACAG	CACCGCCTCCC	GGGGGGCGGGG	GGCCGGCCCC	GGGCCACGGC
	130921	TCCCCGCTGA	CGTACCCGTC	GCGGTAGCGC	GCGTAGAAAGG	CGCCGGAGGC	CGCGTCGGCG
	130981	TCCAGCTCGA	CCCGCCCCGGG	CCGCCCGGCC	GTGAAGCGGC	CCGTGGCGTC	GCGGCCGGCC
10	131041	ACCGCCGCGC	GGGCCCCGGG	GGCCTCCAGG	CGGCCCGCGG	TCGCGCGGG	GGTCCGGGCC
	131101	GGGGCGGGCT	CGGCCCTGGG	CGGGCTCGGC	CGGGCGCCCG	CCCCCGGGG	CCTCGCGGGC
	131161	ACCCCCGCGCT	CCTCGTCGTC	CGCGCCGAGG	GTCCCGCCCG	CGGCGTGGTC	TGCGGCGCTG
	131221	CGGGGGCGC	GGGCGGGCGTC	GTCGTCGTCG	TCGTCGTCAG	ACGAGGAGGC	GGATGCAGAC
	131281	GAGGAGGAGG	AGGCGGAGGA	GGAGGCGGAG	GACGCCGACG	ACGAGGATCC	GGATTTTGAT
15	131341	GAGTCAGAGG	CGGCCGAGCC	CCGGCGGGGGG	GCGGCCGCGC	GGCGGTGGTG	GTGGTGGTGG
	131401	TGGTGTGCGGC	GGGGCGCCGG	GGGTGCGCGGC	GACAGGCTGG	CCATGGGTC	CGGGTACGCC
	131461	CCGGGGACCG	CGGACGTGCGT	CTCCGGTCCG	CGGACCCAGC	GGCCCGCGTC	GCGGTGCGTC
	131521	TCATCGTCGT	CGTCGTCGTC	GTCGTCGTTG	TCCTCGCCAT	AATCGGCGCG	CATGGAGGGG
	131581	GTCCCGGGCG	GAGAAGCGA	GCGGGCGCGT	TCTTCTTGC	CGCCGTCGCG	CTCCGGGGGG
20	131641	GGCGACGGGA	TCGTGCGAAC	GGCCTCGTC	ACCATCGAGG	CCAGCAGGGC	CAGCTGCCGC
	131701	GGCGAGACGA	CGCCGTCGCG	GGCAGGCTCG	TCGACGGCCT	CCCCGGACGC	GGGGGCCGCG
	131761	TCGTCGGCAT	CGGCATCGGC	GGCGCGTCG	TCGGGCGTCG	CTTCGTTCTC	CTCCGGCCCA
	131821	CCGTGCCACC	CGAACCCGGG	CGCGCGGGCG	GGGCGACGGT	CGGGGTTCGG	GGTGGGCGGC
	131881	GGTCGCGTCG	CTGGATCCGG	AGATCCGGGG	CCGCCGGTCG	TCTCCGCGC	GGCCCCGGAGA
25	131941	CGTCCCCCGT	CCTCGTCGCG	CATCGCGACC	TCGGGCCCCGC	GGCCCTGCGT	CGTCGTCGTC
	132001	GTCTTCTTCT	TCTTCCGCTG	CTCCGCGAC	ATCGCCTCCG	ACCGGGGTGT	GGGGGGGGGG
	132061	GGTCTTCTTC	TTCTTCTTCA	GGGGCGGGCAG	TGGGGGGGGG	TGGTTGGCAG	TCTCTCTCCC
	132121	CCCCGTGCGG	TGCGTGCCTG	TGCGTGTGTC	TTTTCGCCTC	TCCGCGCCGA	TGGGGTAGAT
	132181	CCTGGCGGCC	GCGTCGGTAG	CCGCGCTCCG	TGTGGACGAT	CGCCCCGTCG	CCTGGCTGAT
30	132241	ATAGTCCTCG	GGGCGCGCGG	GGCGGGGGGA	AAGGAGGAGG	ACGCGGAGGA	GGAGCGATCG
	132301	ACGCCGCCGC	CCCCCGGCTC	GCCGGGGTTC	CGCCCCCAGG	TGGAACCGCA	TTATGCGCGG
	132361	CCCCGCCCGG	ACGCCCGCGC	GTCCGCGTC	GTGGCGCGGG	CCCGTTGGTC	GCGCCGCCGC
	132421	CGCTCCGCC	GCGCGGCATC	TCATTAGCGC	CCGGCGCGGG	CGGCTTCCGC	TTCCGCCCGC
	132481	GATGCTAATG	AGACCCCTCGT	CGCGGGCGGG	CTCGCTCCCC	TGCCCTTCCG	GGTTCTGGT
35	132541	AATGAGATGC	CGGCCCCCGC	CTCCCCTGTTG	CCCCCGCCGG	CCCCAAAGGG	GCCGGCGAGG
	132601	TCGCCCGCGT	GGTCCGCGGG	GGGCTCCGCC	CCAAAGGGGG	GGGGGCCGCA	GGGTAAAAGA
	132661	AGTGAGAACG	CGAAGCGTTC	GCACCTCGTC	CTAATAGTAT	ATATATTATT	AGGGCAAAGT
	132721	GCGAGCGCTG	GCGCCCTGCC	CGGGGCCCCG	GTCATCCC	GCTCCGCC	AAAGGGGGCG
	132781	GGGCCGCAGG	GTAAAAGAAG	TGAGAACGCG	AAGCGTTCGC	ACTTCGTCCT	AATAGTATAT
40	132841	ATATTATTAG	GGCAAAGTGC	GAGCACTGGC	GCCCTGCC	GGGCCCGCGT	CATCCCGCGG
	132901	GCTCCGCC	GAGGCGGGCC	CGGACGGGGG	GGGGGCCGTT	CCTCGCGCAC	ATAAAGGGCC
	132961	GGCGTCCCGG	TCGCCGCC	ACCAGGGGA	CACCGGCTGC	GGGGCGGAGA	CCGGGACGGC
	133021	AGCGGCGGCA	TCGCGAAGGG	GGCCACAGCG	AGACAGAGAC	GCCGGCGGCG	AGCAGGGGCAC
	133081	CGACGCACCC	GGATCGGATC	GGATACAGAG	ACGCGGGCGC	ATCGGTTCT	TTTCGTTCTG
45	133141	CCTTCCCTC	CCCCCCCC	CCCCCACCC	TGTACGTACC	GCGAGGACCC	ATCCACCCAC
	133201	TGCAGCTTA	TCGCAGGTAC	GGTGACCCGG	GGGGCGGGCC	GGGGGGACGG	GGGGGGGACGG
	133261	GGGGGACGGG	CGGGGGGGAC	GGGCGGGGGG	GACGGGCGGG	GGGGACGGG	GGGGGGGACGG
	133321	GGCCGGGGGG	ACGGGCGGG	GGGACGGGGC	GGGGGGACGG	GCCGGGGGGA	GGGGCCGGGG
	133381	GGCCGGGGGG	CGGGGGGGCC	GGGGGGCCGG	GGGGACGGGG	GGACGGGGGG	ACGGGGGGAC
50	133441	GGGGGGACGG	GGGGACGGGG	GGACGGGGGG	ACGGGGGGAC	GGGGGGACGG	GGGGACGGGG
	133501	GGACGGGGGG	ACGGGGGGAC	GGGGGGACGG	GGGGACGGGG	GGACGGGGCG	GGGGACGGGG
	133561	GGGACGGGCC	GGGGGGACGG	GGGGACGGGC	GGGGGGGACG	GGGGGACGGG	GGGGGGGGAC
	133621	GGGGGGACGG	GCCGGGGGGA	CGGGGCCCCG	ATCCCAACAT	CCGCGTTTC	TCGCAGGCC
	133681	GGCGCCGCCT	TCGTGGACGG	GACACGGGTG	TGGTAACCTGG	CGACAAGGCG	TTGCCACTAT
55	133741	GGCAGACATC	CCCCCGGACC	CGCCCGCGCT	CAACACGACG	CCTCGGAATC	ATGCTCCCCC
	133801	ATCCCCCACCC	CCGGGTTCA	GGAAAGCGCAG	ACGCCCGTC	CTCCCCAGCT	CGTCGGAATC
	133861	TGAGGGTAAG	CCCGACACAG	AATCGGAATC	CTCCTCGACC	GAGTCGTC	AGGATGAGGC
	133921	GGGAGACCTA	CGCGGGGGC	GCCGTCGCTC	CCCAGGGGAG	CTCGGGGGGA	GGTATTTTTT
	133981	GGATCTGCG	GCAGAATCGA	CCACGGGGAC	GGAAATCGGAG	GGAACGGGGC	CGTCGGACGA

	13 4 041	CGATGATGAT	GATGCGTCAG	ACGGCTGGTT	GGTTGACACA	CCCCCCCAGCA	AATCCAAGCG
	13 4 101	ACCCGAATC	AACCTGCGAT	TAACGAGCTC	CCCCGACCGG	CGTGCGGGTG	TGGTTTCCC
	13 4 161	CGAGGGTGTGG	AGAAGCGACA	GACCTATCCG	CGCGGCGCAA	CCCCAGGCC	CGGCCAGTCT
5	13 4 221	TCCGGGGATC	GCACACGCGC	ACCGCGCTC	TGCTCGCCAG	GCCCAGATGC	GGAGCGGAGC
	13 4 281	CGCCTGGACG	CTTGATCTGC	ATTACATACG	CCAGTGCCTC	AACCAGCTCT	TTCGGATCCT
	13 4 341	GCGTGCAGCC	CCGAACCCGC	CCGGCAGCGC	CAACCGCCTG	CGCCACCTGG	TGCGAGACTG
	13 4 401	CTACCTCATG	GGCTACTGCC	GGACCCGCCT	GGGGCCGCGC	ACGTGGGGCC	GCCTGCTGCA
	13 4 461	GATCTCGGGC	GGAACCTGGG	ACGTGCCTC	CGAAACGCA	ATCCGGGAGG	TCGAGGCAGCA
10	13 4 521	TTTTGAACCC	GGCGCCGAGC	CCGTGTGCGA	GCTGCCCTGT	CTGAACGCCA	GGCGTTACGG
	13 4 581	CCCCGAGTGT	GATGTTGGCA	ATCTCGAGAC	CAACGGCGGC	TCGACGAGCG	ATGATGAGAT
	13 4 641	ATCGGATGCG	ACGGACTCGG	ACGATAACCT	CGCGTCCCCT	TCCGACACGG	AGGGGGGGCC
	13 4 701	CTCCCCGGCC	GGCCGGGAGA	ACCCGGAATC	CGCGTCCGGC	GGGGCTATCG	CGGCTCGGCT
	13 4 761	GGAGTGTGAG	TTTGGGACGT	TTGACTGGAC	GTCCGAGGAG	GGCTCCAGC	CCTGGCTGTC
15	13 4 821	CGCGGTGGTC	GCCGATACCA	GCTCCGCCGA	ACGCTCTGGC	CTACCCGCC	CGGGCGCGTG
	13 4 881	TCGCGCAACG	GAAGCCCCAG	AACGCGAGGA	CGGGTGCCGA	AAAATGCGCT	TCCCCGCCGC
	13 4 941	CTGCCCCTAT	CCCTGCGGCC	ACACATTCTC	CCGGCCATGA	GCGCGGGACC	CCCAGCCCAG
	13 5 001	TGTGTTGCC	AAACGAAAAA	TAAACGCCCT	ACAAGAAAGC	TTTGTTGCTC	GAGTGTCTGG
	13 5 061	TTTTCTGGG	GGTGGAGGAA	GGAACGACAA	AAAAAAAGAAA	CAAACGCGAC	ACCGCTCGTA
	13 5 121	CGTGTAAATGG	GGCCGCAGTG	TTTTTATTAA	GCATCGGGGG	GGGTTAGAGG	TTGGTGATTG
20	13 5 181	GATAGCAAAC	GTGGGATGAC	GGAGGCCACT	CGTCGCCAAC	GGCCAGCGGG	GGCCCGGGGT
	13 5 241	TCTGGGGGTC	ATCGTCCCCC	GTCTGCCAGG	AGGGCTCATC	GGGAATCTCG	GGTCGCCCCA
	13 5 301	TGCACGTAAA	ACACGGCGC	TGCGTGGGGT	GGGTCGCCGG	ATGCGGGCGG	GATGATGCGG
	13 5 361	GGCGGGGTTT	GTGTGAGGA	GCCACGAGGG	ACCGTAGCCA	GCGAAGACAG	CTGCGTTCCC
	13 5 421	GGTCGCCGGG	CACCAACACG	CCGTATTGGT	ATTGCTATCG	GCTAAGGAGA	TTTCCAGGG
25	13 5 481	GGTGATTAGG	CGCTGCCGGG	AACGGGTC	ACGACACGGT	CCGCTCGGGC	AAAAACCGAT
	13 5 541	CGGGCAGGGG	CCACGGTTCC	CCCACCCACG	CGTCGTTGGT	CTTCGTTGCG	ATGAAGCGAA
	13 5 601	ACCCAGGCCG	GGTTTTTGT	GCCTACTCGA	AAAACGGCAC	ACACAGGTCC	GCCGCCCGA
	13 5 661	CCACCCACAG	GTGGTATAGC	CGGTGGGGGC	CGGGGCGCTC	TTGATGCGAGG	AGCCGAAAAC
	13 5 721	ACGCAGGGGC	ATCCAGAATC	TCGATGCTTT	CCAGGGGTC	GTCCTCCGCA	AACAGGCCCG
30	13 5 781	TCGTGGTGT	GGGGGACAG	CGACAGGAGC	GGGTCGCAC	GATCGGTCGG	GTGAATTGG
	13 5 841	GCAAGTCCAT	CAGAGGCTCG	GCCAGCCTGC	GAAGGTTTCG	CGGGCGAAC	ACCACCGGGG
	13 5 901	TTCCCAGAGG	CTCGGAGGCC	AGGATCCGGC	ATTGCCGAAG	CAGAAAAC	CACAGAGCCG
	13 5 961	GGCTGCGTC	AGCGGAAGTC	CGCGGCAGGG	CGTTTCGTTG	GTCTAGGAGG	GTAACCACAC
	13 6 021	TTACAAACAA	AACGCCCATG	TCGGTATATT	AGGCCCCTGG	TCCGATCTTC	ACTCACTCGC
35	13 6 081	CTGCTCTGCCG	ACCTATGCA	GGCGGGACGG	CGCGCGGACC	CGGGGGGCT	GCTGCTATC
	13 6 141	ACACGGCCCG	TTCGCACGTT	CGATTTTTTC	AGCCTTGT	GGTTGGCTAG	GTATCCCGGA
	13 6 201	TAATCTGACG	TTCCGGATAT	AGGGGGCGGG	GGGTAGTGGG	GGGTGTGTCG	ACAAACTGCC
	13 6 261	GCTTCTTAAA	ACACCGGGGC	CCGTGCGCTC	GGGTGCTCGT	TGGTTGGCAC	GCGCGACGCG
	13 6 321	GCAAATGGCC	TGTCGTAAGT	TCTGTGGGGT	CTACCGTAGA	CCCGACAAGA	GACAGGAGGC
40	13 6 381	GTCCGTCCCCG	CCGGAGACAA	ACACGGCCCC	GGCCTTCCCG	GCGAGCACCT	TTTATACCCC
	13 6 441	CGCGGAGGAT	GCGTACCTGG	CCCCCGGGCC	CCCGGAAACCC	ATCCACCCCT	CCCGCCCA
	13 6 501	GTCCCCCGGC	GAGGCTGCGC	GCCCTGTGTC	GCTGAGGAG	ATCTTGGCCC	AGATGACAG
	13 6 561	CGACGAGGAC	TACCCCATCG	TGGACGCCGC	GGGTGCGGAG	GAGGAAGACG	AGGCCGACGA
	13 6 621	TGACGCCCCG	GATGACGTGG	CCTACCGGGA	GGACTACGCG	GAGGGCGTT	TTCTGTCAT
45	13 6 681	GGTTTCGGCC	GCCCCCTGC	CCGGAGCCAG	CGGCCATCCT	CCTGTTCCGG	CCCGCGCAGC
	13 6 741	CCCCCCCAGC	GTCCGGACCT	GCGACACGGG	TAAGGTGGGG	GCCACGGGGT	TCACCCCGGA
	13 6 801	AGAGCTCGAC	ACCATGGACC	GGGAGGCACT	TCGGGCCATC	AGCCGCGGGT	GCAAGCCCC
	13 6 861	TTCGACCTG	GCAAAACTGG	TGACCGGGCT	GGGATTGCGC	ATCCACGGAG	CGCTCATCCC
	13 6 921	GGGGTCGGAG	GGGTGTGTCT	TTGATAGCAG	CCACCCGAAC	TACCCCTCATC	GGGTAATCGT
50	13 6 981	CAAGGCGGGG	TGGTACGCCA	GCACGAGCCA	CGAGGCGCGG	CTGCTGAGAC	GCCTGAACCA
	13 7 041	CCCCCGCATC	CTACCCCTCC	TGGACCTGCA	CGTCGTTCT	GGGGTCACGT	GTCTGGTCCT
	13 7 101	CCCCAAGTAT	CACTGCGACC	TGTATACCTA	TCTGAGCAAG	CGCCCCTCTC	CGTTGGGCCA
	13 7 161	CCTACAGATA	ACCGCGGTCT	CCCGGCAGCT	CTTGAGCGCC	ATCGACTACG	TCCACTGCAA
	13 7 221	AGGCATCATC	CACCGCGATA	TTAAGACCGA	GAACATCTTC	ATCAACACCC	CCGAGAACAT
55	13 7 281	CTGCTCTGGGG	GACTTTGGGG	CCGGCGTGCTT	TGTGCGCGGG	TGTCGATCGA	GCCCCCTCCA
	13 7 341	TTACGGGATC	GCAGGCACCA	TCGATACAAA	CGCCCCCGAG	GTCCTGGCCG	GGGATCCGTA
	13 7 401	CACCCAGGTA	ATCGACATCT	GGAGCGCCGG	CCTGGTGATC	TTTGAGACCG	CCGTCCACAC
	13 7 461	CGCGTCCTTG	TTCTCGGCC	CGCGCGACCC	CGAAAGGCGG	CCGTGCGACA	ACCAGATCGC
	13 7 521	GCGCATCATC	CGACAGGCC	AGGTACACGT	CGACCGAGTT	CCGACGACAG	CGGAATCGCG

	137581	CCTCACCGCG	CACTACCGCT	CGCGGGCGGC	CGGGAAACAAT	CGTCCGGCGT	GGACCCGACC
	137641	GGCGTGGACC	CGCTACTACA	AGATCCACAC	AGACGTCGAA	TATCTCATAT	GCAAAGCCCT
	137701	TACCTTGAC	GC GGCGCTCC	GCCCAGCGC	CGCGGAGTTG	CTGCGCTGC	CGCTATTCA
	137761	CCCTAAGTGA	CCCCGCTCCC	CCCGGGGGGC	GTGGAGGGGG	GGGCTGGTTG	GATGTTTTG
5	137821	CACAAAAAGA	CGCGGCCCTC	GGGCTTTGGT	GTTTTGGCA	CCTTGCCGCC	CGGCCTCATG
	137881	CACGCCATCG	CTCCCAGGTT	GCTTCTTCTT	TTTGTCTTT	CTGGTCTTCC	GGGGACACGC
	137941	GGCGGGTCGG	GTGTCCCCTG	ACCAATTAAAT	CCCCCCAACA	GCGATGTTGT	TTTCCCGGGGA
	138001	GGTTCCCCCG	TGGCTCAATA	TTGTTATGCC	TATCCCCGGT	TGGACGATCC	CGGGCCCTTG
	138061	GGTTCCGCGG	ACGCCGGCG	GCAAGACCTG	CCCCGGCGCG	TCGTCCGTCA	CGAGCCCTG
10	138121	GGCGCCTCGT	TCCTCACGGG	GGGGCTGGTT	TTGCTGGCGC	CGCCGGTACG	CGGATTTGGC
	138181	GCACCCAACG	CAACGTATGC	GGCCCGTGTG	ACGTACTACC	GGCTCACCCG	CGCCTGCCGT
	138241	CAGCCCATCC	TCCTTCGGCA	GTATGGAGGG	TGTCCGGCGC	GCGAGCCGCC	GTCCCCAAAG
	138301	ACGTGCGGGT	CGTACACGTA	CACGTACCGA	GGCGGCGGGC	CTCCGACCCG	GTACGCTCTC
	138361	GTAAATGCTT	CCCTGCTGGT	GCCGATCTGG	GACCGCGCCG	CGGAGACATT	CGAGTACCAAG
15	138421	ATCGAACTCG	GC GGCGAGCT	GCACGTGGGT	CTGTTGTGGG	TAGAGGGGG	CGGGGAGGGC
	138481	CCCGGCCCCA	CCGCCCCCCC	ACAGGCGGCC	CGTGGGGAGG	CGGGCCCGTG	CGTCCCCCCC
	138541	GTCCCCGCGG	GCGCCCGTG	GCGCTCGGTG	CCCCCGGTAT	GGTATTCCGC	CCCCAACCCC
	138601	GGGTTTCGTG	GCCTGCGTT	CCGGGAGCGC	TGTCTGCC	CACAGACGCC	CGCCGCCCCC
	138661	AGCGACCTAC	CACGCGTCGC	TTTGCTCCC	CAGAGCCTGC	TGGTGGGGAT	TACGGGCCGC
20	138721	ACGTTTATTG	GGATGGCACG	ACCCACGGAA	GACGTGGGG	TCCTGCCGCC	CCATTGGGCC
	138781	CCCGGGGCCC	TAGATGACGG	TCCGTACGCC	CCCTTCCCAC	CCCGCCCGCG	GTTCGACGC
	138841	GCCCTGCGGA	CAGACCCCGA	GGGGGTCGAC	CCCGACGTT	GGGCCCCCG	AACCGGGCGG
	138901	CGCCTCATGG	CCTGACCGA	GGACACGTCC	TCCGATTGCG	CTACGTCGC	TCCGGAGAAG
	138961	ACGCCCCCTC	CTGTGTCGGC	CACCGCCATG	GCACCCCTAG	TGACCCAAAG	CGCGGAACCG
25	139021	ACCGCCCCCG	CAACCACTAC	TCCCCCCGAC	GAGATGGCA	CACAAGCCGC	AACGGTCGCC
	139081	GTTACGCCGG	AGGAAACGGC	AGTCGCTCC	CCGCCCCGCA	CTGCATCCGT	GGAGTCGTG
	139141	CCACTCCCCG	CCGCGGGCGC	GGCAACGCC	GGGGCCGGGC	ACACGAACAC	CAGCAGGCC
	139201	TCCCGCAGCGA	AAACGCCCC	CACCAACCCA	GCCCCCACGA	CCCCCCCCGC	CACGTCTACC
	139261	CACCGGACCC	CCCGCCCCAC	GACTCCGGG	CCCCAAACAA	CCCCCTCCGG	ACCCGCAACC
30	139321	CCGGGTCCGG	TGGGCGCTC	CGCCGCGCCC	ACGGCCGATT	CCCCCCTCAC	CGCCTCGCCC
	139381	CCCCTTACCG	CGCCGGGGCC	CTCGGCCGCC	AACGTTTCGG	TCGCGCGAC	CACCGCCACG
	139441	CCCGGAACCC	GGGGCACCGC	CCGTACCCCC	CCAACGGACC	CAAAGACGCA	CCCACACGG
	139501	CCCGCGGACG	CTCCCCCGG	CTCGCCAGCC	CCCCCACCCC	CGGAACATCG	CGGGGGACCC
	139561	GAGGAGTTG	AGGGCGCCGG	GGACGGCGAA	CCCCCGAGG	ACGACGACAG	CGCCACCGGC
35	139621	CTCGCTTCC	GAACCTCGAA	CCCCAACAAA	CCACCCCCCG	CGCGCCCCGG	GCCCATCCGC
	139681	CCCACGCTCC	CGCCAGGAAT	TCTTGGGCCG	CTCGCCCCCA	ACACGCTCG	CCCCCCCCGC
	139741	CAAGCTCCCG	CTAAGGACAT	GCCCTCGGGC	CCCACACCCC	AACACATCCC	CCTGTTCTGG
	139801	TTCCTAACGG	CCTCCCCCTGC	TCTAGATATC	CTCTTTATCA	TCAGCACCAC	CATCCACACG
	139861	GGCGCGTTG	TTTGTCTGGT	CGCCTTGGCA	GCACAACTTT	GGCGCGGGCCG	GGGGGGCGC
40	139921	AGGGGATAACG	CGCACCCGAG	CGTGCCTTAC	GTATGTCCTGC	CACCCGAGCG	GGATTAGGGG
	139981	GTGGGGGTGG	GGGGCGAGAA	ACGATGAAGG	ACGGGAAAGG	GAACAGCGAC	CAAATGTCAC
	140041	GATAAGAAC	ATAAACCTGT	GACGTCAATC	AGATATGTGA	GTTTGGTTGT	GTTTGTGGG
	140101	ACTGGGGGCG	GGGGGTGGGA	GGTATCAGTG	GGTGACAGAG	TCTTTAAAAA	GACGTGTC
	140161	GGGGCCCTCG	AGATGCGAA	CTTTTGGCCA	CACAGAGAAA	GGCCCCCAGA	CGAAGTCACC
45	140221	CGGGTCCCCG	AACAAAAAAC	AAAACCTTG	CCGCGCCCGG	GGGGCGTGC	TGTTGTTTTG
	140281	GTCTCAATGG	ATCGGTATGC	CGTTCGGACC	TGGGGGATTG	TGGGAATCT	CGGGTGTGCT
	140341	GCTGTTGGGG	CCGCACCCAC	CGGCCCCGCG	TCCGATACAA	CAAACGCGAC	CGCACGCC
	140401	CCCACGCAAC	CCCCACTCAT	CCGTTCCGGG	GGCTTGGCC	TCCCCCTCAT	CGTGGGGGGG
	140461	CTGTGTCTCA	TGATTCTGGG	GATGGCGTGT	CTACTCGAGG	TCCTGCGTCG	CCTGGGTC
50	140521	GAGTTGGCGA	GGTGTGCCCC	CCACGCGGGC	CAATTGCCCC	CATGATT	CGCCTTCTG
	140581	GCCTTGCCCC	CACCCCATCG	CCCCGATTGT	GTGTCGGGTG	CCCGGGGTAC	AGCAGCTATG
	140641	GAGCGGTGCG	TAATATAACT	TTGTTGTCG	CCACACGCC	CGTCCGGGGC	ATGGGTTGTG
	140701	CGGGAAAGGAC	GAAATAATCC	GGCGATCCCC	AAGCGTACCA	ACTGGGGGGG	GGGGGGGGGG
	140761	GGAAAAGAAA	CTAAAAAACAC	ATCAAGCCCCA	CAACCCATCC	CACAATGGGG	GTTATGGCG
55	140821	ACCCACCGCA	CCACCATACT	CCGATTGCGAC	CACATATGCA	ACCAAATCAC	CCCCAGAGGG
	140881	GAGGTTCCAT	TTTTACGAGG	AGGAGGAGTA	TAATAGAGTC	TTTGTGTTTA	AAACCCGGGG
	140941	TCGGTGTGGT	GTTCGGTCA	AAGCTGCATT	GCGAACGACT	AGTCGCCGTT	TTTCGTGTG
	141001	ATCGCGTATC	ACGGCATGGG	GGCTTGTGACC	TCCGGCGTCG	GGACGGCGGC	CCTGCTAGTT
	141061	GTGCGGGTGG	GACTCCCGGT	CGTCTGCGCC	AAATACGCCT	TAGCAGACCC	CTCGCTTAAG

	141121	ATGGCCGATC	CCAATCGATT	TCGCAGGAAG	AACCTTCCGG	TTTTGGACCA	GCTGACCGAC
	141181	CCCCCCCAGGG	TGAAGCGTGT	TTACCACATT	CAGCCGAGCC	TGGAGGACCC	GTTCAGGCC
	141241	CCCAGCATCC	CGATCACTGT	GTACTACGCA	GTGCTGGAAC	GTGCCTGCCG	CAGCGTGCTC
	141301	CTACATGCC	CATCGGAGGC	CCCCCAGATC	GTGCGCGGGG	CTTCGGACGA	GGCCCGAAAG
5	141361	CACACGTACA	ACCTGACCAC	CGCCTGGTAT	CGCATGGGAG	ACAATTGCGC	TATCCCCATC
	141421	ACGGTTATGG	AATAACCCGA	GTGCCCCCTAC	AACAAGTCGT	TGGGGGTCTG	CCCCATCCGA
	141481	ACGCAGCCCC	GCTGGAGCTA	CTATGACAGC	TTTAGCGCCG	TCAGCGAGGA	TAACCTGGGA
	141541	TTCCGTATGC	ACGCCCCCGC	CTTCGAGACC	GCGGGTACGT	ACCTGCGGCT	AGTGAAGATA
	141601	AACGAATGGA	CGGAGATCAC	ACAATTTATC	CTGGAGCACC	GGGCCCCGCGC	CTCCTGCAAG
10	141661	TACGCTCTCC	CCCTGCGCAT	CCCCCCCAGG	GCGTGCCTCA	CCTCGAAGGC	CTACCAAACAG
	141721	GGCGTGACGG	TCGACAGCAT	CGGGATGCTA	CCCCCGTTA	TCCCCGAAAA	CCAGCGCACC
	141781	GTCGCCCTAT	ACAGCTTAAA	AATCGCCGGG	TGGCACGGCC	CCAAGCCCCC	GTACACCCAGC
	141841	ACCCGTCTGC	CGCCGGAGCT	GTCCGACACC	ACCAACGCCA	CGCAACCCGA	ACTCGTTCCG
	141901	GAAGACCCCC	AGGACTCGGC	CCTCTTAGAG	GATCCCACGG	GGACGGTGT	TTOCGAGATC
15	141961	CCCCCAAAC	GGCACATCCC	GTCGATCCAG	GACGTGCGC	CGCACACCGC	CCCCGCCGCG
	142021	CCCAGCAACC	CGGGCCTGAT	CATCGGCGCG	CTGGCCGGCA	GTACCCCTGGC	GGTGCTGGTC
	142081	ATCGGCGGT	TTGCGTTTG	GGTACGCCGC	CGCGCTCAGA	TGGCCCCAA	GCGCCTACGT
	142141	CTCCCCCACA	TCCGGGATGA	CGACGCGCCC	CCCTCGCACC	AGCCATTGTT	TTACTAGAGG
	142201	AGTTTCCCCG	CTCCCGTGT	CCTCTGGGC	CGTGTGGGAG	GGTGGCTGGG	GTATTTGGGT
20	142261	GGGACTTGG	CTCCGCATAA	AGGGAGTCTC	GAAGGAGGG	AACTAGGACA	GTTCATAGGC
	142321	CGGGAGCGTG	GGGCGCCGAC	CGCTGTCCCG	ACGATTAGCC	ACCGCGCCCA	CAGCCACCTC
	142381	GACCCGTCCG	ATCCCAGTAT	GCCCAGGCCG	TCGCTGCAGG	GCCTGGCGAT	CCTGGGCCTG
	142441	TGGGTCTGCG	CCACCGGCCT	GGTCGTCGCC	GGCCCCACGG	TCAGTCTGGT	CTCAGACTCA
	142501	CTCGTGGATG	CGGGGGCCGT	GGGGCCCCAG	GGCTTCGTGG	AAGAGGACCT	GCGTGTTC
25	142561	GGGGAGCTTC	ATTTTGTGGG	GGCCCCAGGT	CCCCATACAA	ACTACTACGA	CGGCATCATC
	142621	GAGCTGTTT	ACTACCCCC	GGGGAACCAC	TGCCCCCGCG	TTGTACACGT	GGTCACACTG
	142681	ACCGCATGCC	CCCGCCGCC	CGCCGTGGCG	TTCACCTTGT	GTCGCTCGAC	GCACCAACGCC
	142741	CACAGCCCCG	CCTATCCGAC	CCTGGAGCTG	GGTCTGGCGC	GGCAGCCGCT	TCTGCGGGTT
	142801	CGAACGGCAA	CGCGCGACTA	TGCCGGTCTG	TATGTCCTGC	GCGTATGGGT	CGGCAGCGCG
30	142861	ACGAACGCCA	GCCGGTTTGT	TTTGGGGGTG	GCGCTCTCTG	CCAACGGGAC	GTTGTGTAT
	142921	AACGGCTCGG	ACTACGGCTC	CTGCGATCCG	GCGCAGCTTC	CCTTTTCGGC	CCCGCGCCTG
	142981	GGACCCCTCGA	GCGTATACAC	CCCCGGAGCC	TCCCAGCCCA	CCCCCTCCACG	GACAAACGACA
	143041	CCCCCGTCCT	CCCCCCCAGA	CCCGACCCCC	GCCCCCGGGG	ACACAGGGAC	CCCCCGCGCC
	143101	GGGAGCGGGG	AGATAGCCCC	GCCCAATTCC	ACGCGATCGG	CCAGCGAATC	GAGACACAGG
35	143161	CTAACCGTAG	CCCAGGTAA	CCAGATCGCC	ATACCGCGT	CCATCATCGC	CTTTGTGTTT
	143221	CTGGCAGCT	GTATCTGCTT	CATCCATAGA	TGCCAGCGCC	GATACAGGCG	CCCCCGCGGC
	143281	CAGATTTACA	ACCCCAGGGG	CGTTTCTCTG	GCGGTCAACG	AGGCGGCCAT	GGCCCGCCTC
	143341	GGAGCCGAGC	TGCGATCCCA	CCCAAACACC	CCCCCCAAAC	CCCGACGCCG	TTCGTCGTCG
	143401	TCCACGACCA	TGCCTCCCT	AACGTCGATA	GCTGAGGAAT	CGGAGCCAGG	TCCAGTCGTG
40	143461	CTGCTGTCCG	TCAGTCCTCG	GGCCCCGCAGT	GGCCCCACGG	CCCCCCAAAGA	GGTCTAGGTC
	143521	CAAGCGGGCC	GTTCGGCAGG	CCCGCCCCAC	CGCCCCCCATC	GTGGTTATTT	CCCCCCCCCCC
	143581	CCCCCCAATA	AACCGATGTT	ATTTCGCTAT	ATGCGTGTGT	TGGATCCCTT	TGTGATCGTT
	143641	CGTCATTCCC	CGGATGGCAT	GGGAGGCGGG	TAATGGATGG	CGGGGGCCCG	GGGGGAGGAA
	143701	AAAGAATAAA	GGGGGTAGTG	TCGGAGAGGC	CCGCCGCGCA	TTTAAGGAGT	CGCCGCCCCG
45	143761	ACTCTGTGTC	TTCGGGTGAC	TTGGTGCGCC	GCGTCAGCT	AGTCTCCGAT	CTGCCCCGAC
	143821	CGACGGCTCC	TGCCACCGA	ACATGGCTG	CGGGGCCGGG	TTGGTGT	TTGTTGGAGT
	143881	TTGGGTGTA	TCGTGCTTGG	CGGCAGCACC	CAGAACGTCC	TGGAAACGGG	TAACCTCGGG
	143941	CGAGGACGTG	GTGTTGCTTC	CGGCCGCCGC	GGAACGCACC	CGGGCCCCACA	AAACTACTGTG
	144001	GGCCCGGGAA	CCCCTGGATG	CCTGCGGTCC	CCTGCGCCCG	TCGTGGGTGG	CGCTGTGGCC
50	144061	CCCCCGACGG	GTGCTCGAGA	CGGTCGTGGA	TGCGGCCTGC	ATGCGCGCCC	CGGAACCGCT
	144121	CGCCATAGCA	TACAGTCCCC	CGTCCCCCGC	GGGCGACGAG	GGACTGTATT	CGGAGTTGGC
	144181	GTGGCGCGAT	CGCGTAGCCG	TGGTCAACGA	GAGTCTGGTC	ATCTACGGGG	CCCTGGAGAC
	144241	GGACAGCGGT	CTGTACACCC	TGTCGCTGGT	CGGCCCTAACG	GACGAGGCCG	GCCAAGTGGC
	144301	GTCGGTGGTT	CTGGTCTG	AGCCCGCCCC	TGTGCCGACC	CCGACCCCCG	ACGACTACGA
55	144361	CGAAGAAGAC	GACGCGGGCG	TGACGAACGC	ACGCCGGTCA	CGGTTCCCCC	CCCAACCCCC
	144421	CCCCCGTCGT	CCCCCGTCG	CCCCCCCAGC	GCACCCCTGT	GTATCCCCG	AGGTGTCCCA
	144481	CGTGCAGCGGG	GTAAACGGTCC	ATATGGAGAC	CCTGGAGGCC	ATTCTGTTTG	CCCCCGGGGA
	144541	GACGTTGGG	ACGAACGTCT	CCATCCACGC	CATTGCCAC	GACGACGGTC	CGTACGCCAT
	144601	GGACGTCGTC	TGGATGCGGT	TTGACGTGCC	GTCCTCGTGC	GCCGATATGC	GGATCTACGA

	144661	AGCTTGTCTG	TATCACCCGC	AGCTTCCAGA	GTGTCTATCT	CCGGCCGACG	CGCCGTGCGC
	144721	CGTAAGTTCC	TGGGCGTACC	GCCTGGCGGT	CCGCAGCTAC	GCCGGCTGTT	CCAGGACTAC
	144781	GCCCCCGCCG	CGATGTTTG	CCGAGGCTCG	CATGGAACCG	GTCCC GGGGT	TGGCGTGGCT
	144841	GGCCTCCACC	GTCAATCTGG	AATTCCAGCA	CGCCTCCCCC	CAGCACGCCG	GCCTCTACCT
5	144901	GTGCGTGGTG	TACGTGGACG	ATCATATCCA	CGCCTGGGGC	CACATGACCA	TCAGCACCGC
	144961	GGCGCAGTAC	CGGAACGCCG	TGGTGAACA	GCACCTCCCC	CAGCGCCAGC	CCGAGCCCGT
	145021	CGAGCCCACC	CGCCCGCACG	TGAGAGCCCC	CCATCCCGCG	CCCTCCGCGC	GCGGCCCGCT
	145081	GCGCCTCGGG	GCGGTGCTGG	GGGCGGCCCT	GTTGCTGGCC	GCCCTCGGGC	TGTCGCGGTG
	145141	GGCGTGCATG	ACCTGCTGGC	GCAGGCGCTC	CTGGCGGGCG	GTTAAAAGCC	GGGCCTCGGC
10	145201	GACGGGCCCC	ACTTACATTC	CGGTGGCGGA	CAGCGAGCTG	TACGCGGACT	GGAGTTCGGA
	145261	CAGCGAGGGG	GAGCGCGACG	GGTCCCTGTG	GCAGGACCCCT	CCGGAGAGAC	CCGACTCTCC
	145321	CTCCACAAAT	GGATCCGGCT	TTGAGATCTT	ATCACCAACG	GCTCCGTCTG	TATAACCCCCA
	145381	TAGCGAGGGG	CGTAAATCTC	GCCGCCCGCT	CACCACTTT	GGTTCGGGAA	GCCCGGGCCG
15	145441	TCGTCACTCC	CAGGCCTCCT	ATCCGTCCGT	CCTCTGGTAA	GGCGTCTTCC	GACGACGCGG
	145501	ACGTGGCGA	TGAACGTATT	GCCATCGCGG	ACGCACCGGG	GGACCCGCCA	GAGACCTCTGC
	145561	CCCCCGGCCG	GGGCGGCCG	GCGCCCGCGT	GCCGCAGACC	ACCTCGCGGC	GGCTCCCCCG
	145621	CGGCCTTTCC	CGTGGCCCTC	CACGCCGTGG	ACGCCCCCTC	CCAATTGTC	ACCTGGCTCG
	145681	CCGTGCGCTG	GCTGCGGGGG	GCGGTGGGTC	TCGGGGCCGT	CCTGTGCGGG	ATTGCGTTTT
20	145741	ACGTGACGTC	AATGCCCGA	GGCGCATAAA	GGTCCGGCGG	CCACCCGCC	GCAGCTCATA
	145801	AAAATCGTGA	GTCACGGCAA	CCCCACCTTC	GCCTCCGCCC	TCCGCCAGCG	CCCTTCCGCG
	145861	TCCCGCATGTA	CCTCCCGGCC	CGCCGACCAA	GACTCGGTGC	GTTCCAGCGC	GTGGTGCCTG
	145921	CTTTACCCCC	CGGCCTCGCC	CGTCCCGGCA	GAAGCCTACT	ACTCGGAAAG	CGAAGACGAG
	145981	GCCGCCAACG	ACTTCCTCGT	GCCCATGGGC	CGCCAGCAGT	CGGTCTAACG	GCGCCGACGG
25	146041	CGGCGCACGC	GGTGCCTCGG	GCTGGTTATC	GCCTGTCTCG	TCGTGGCCCT	CCTATCTGGA
	146101	GGGTCGGGGG	CACTTTGGT	GTGGCTGCTC	CGCTAAATGA	CGCCTCGATG	TATGGCGCCT
	146161	TCTTCGCCCC	CACCCCTCGC	CGCGACCCAC	GTCCGTATGT	TAATTGCAAT	AAAGTGGTTG
	146221	ATTGTCATTA	CGGTCTACTA	GGTTGTCTTT	TTTTTTGGG	GGGGGGGGAG	GAAATGCAGA
	146281	AAAGGGTAAG	AAATTCTCGG	AATTTCACCC	CCGGGGGGGG	GCAAGTGCAG	TAACCCAGTT
30	146341	CCTCAGTGT	TGGGAAATCT	ATTGAACCTC	CCCGGCTCCT	CCGTGTTAGG	GAAGTCTCTT
	146401	GGGGAAATCT	ATTGACCTCT	CGCCCCCCCCC	CCCCCAGGAG	GGGGGCAGTG	CAGTACCCCCA
	146461	GTTCCCTCCGT	GCTGGGGAAA	TCTCTCTGCC	GGGTACGGGC	TCCAGACGAA	GGACCCATAC
	146521	ATTTCCCCAT	CCGCACCCCCA	CATCTGGCGT	TCTAGAGTCA	CGACGCATT	GCCCCCGTCC
	146581	CCGCAGCAAC	ACACAAAGCG	ATTCAATT	TCACGATTTT	ATTATTAATT	ACACCAACCA
35	146641	CCCTGTCCCC	GGGACGTGGT	CAGGACCGGG	GGTCCGCACC	CAAACGCACG	AAACAAATGC
	146701	TGGCAGTGTG	CCGAATATAA	CCCCCGTAG	GAACACGTG	ACCGTGC	CAAACAGCAC
	146761	CAGAAGGC	ATGCCATCAG	CAGGTGCGT	ATATGGCGAT	GTGTTGGAC	GCAGGGCGCA
	146821	GCGCGCGA	TAAAATTCA	GGCGGCCGT	CGCCAGGGCC	ACAGCGCGA	GGACTCCCTG
	146881	TTGGCCCGAA	GCCATTGGGT	ATGAACCAGC	TGCGCCTCCT	GTCCGACCC	GGCTCCCGCC
40	146941	AGCGGGGGCG	GTGGGTGCTG	GGTGTGAGA	GCACACAGGC	GGGACACCTC	GATCACCGTC
	147001	CGAAAAAAGG	CCC GTGGTC	CGCGGGCAGC	ATCTGCAGGT	GCGCCAGGGC	CTGGCGTTG
	147061	AGAGGGTACA	ACTCGGAGCC	GGGGGACTCC	GGGGGCCGGT	CCGCGCGGTG	CCGCGAGTTG
	147121	GCACGCTTTG	GGGCCCCGGT	GTCGGACCGC	GGCGCGTTAT	GGATCCCAC	GCGGGGCAGA
	147181	ACGTACGTG	GTTGGCGCGG	CGATGAGGGG	TCCGGGCTGC	CGAGGGGGC	GTAGGGGACC
45	147241	GGGCTAGGCA	AGCCCGCGGG	TTGCGCGGGG	TTCCCGTGGG	GGTCTAGGCT	CCCTGGGCAC
	147301	CCGTGGGGGT	CGTGGGGTC	GGGGGTCCCT	GGGTATGCGC	GGGACCCCTGG	GTTCTCTGGG
	147361	AGATCGTGA	ACTCGCGGTT	CCCTGGGCTC	TCGGGGAACC	GGGGGCTCCC	TGGGGACACG
	147421	TGGTGCCTG	GGAATTCTTG	ATGGTCCGGAC	GGCTTCAGAT	GGCTTCGGGA	TCGAGAGGGC
	147481	CGCACAGACT	CGTAGTAGAC	CCGAATCTCC	ACGTTTCCCC	GCCGCCGGAT	CATGGTCGCC
50	147541	GCCCCGGTGC	GGGGGCCCGT	CGGTCGGAAG	CGAGTGCCT	TCAAGCGTGT	CCGCTCCCT
	147601	GGGCTGCATG	CCGTGGGATG	GGGTGCTTT	TAAGGAAAGG	TCTCGGCTGC	CCGCCCAAC
	147661	CGGGGTTTGG	GGGTGGGCCG	GGGAAACCCC	GGATGCCATG	GGGGGGTCAC	ACCCCTAACGCG
	147721	CCGGCGCGCT	GGTTGGGTGG	GGTAGAGGGG	GAGTCCCCGG	TCGACGAGAT	CGTATCAAGG
	147781	GGCCAGCACG	CGATCCTGCC	GCTCGTTCGA	TCTAGCACAC	CCACGGGTCT	GCTGTGTGGG
55	147841	ATTTGACTC	GCAGGATCCG	ATCGCACGTC	CGGAGGACAC	AGCAGCGGGA	GCTCCGGGTC
	147901	GGTCACCGCA	GTTCTGGCCG	CCTCTCGGTC	CTCCCGTCC	CTTTTATGGA	TCTCCGCGCA
	147961	GACATCGCCA	TACGTCCGGT	GTGTGACCGC	CGAAGAATCC	AGAAACATGT	CCGTCGTTTT
	148021	CAGGGCCCAA	GACATGGTGT	CCCGTCCACG	AAGGCGCGC	CCGGCCTGCG	AGAAAGCGCG
	148081	GATGTTGGGA	TCGGGGCCCC	GTCCCCCCC	CCC GTCCCC	CGTCCCCCG	GCCCGTCCCC
	148141	CCGTCCCC	GGCCCGTCCC	CCCGTCCCC	CGGCCCCGTCC	CCCCGTCCCC	CCGGCCCGTC

	148201	CCCCCGTCCC	CCC GTCCCCC	CGT CCCCCCG	TCCCCCCGTC	CCCCCGTCCC	CCCGTCCCCC
	148261	CGTCCCCCG	TCCCCCCGTC	CCCCCGTCCC	CCC GTCCCCC	CGT CCCCCCG	TCCCCCCGTC
	148321	CCCCCGTCCC	CCC GGCCCCC	CGG CCCCCCG	GCCCCCCGGC	CCCCCGGCC	GTCCCCCCGG
	148381	CCC GTCCCCC	CGG CCCC GTCC	CCC CGGCCCG	TCCCCCCGGC	CCGTCCCCCC	GGCCCGTCCC
5	148441	CCC GGCCCCG	CCCCCGGCC	CGT CCCCCCG	GCCCCGTCCC	CCGTCCCCCG	CCCGTCCCCC
	148501	CGGCCGGCCC	CCC GGGTCAC	CGTACCTGCG	ATAAGGCTGC	AGTGGGTGGA	TGGGTCTCTG
	148561	CGGTACGTAC	AGGGTGGGGG	GGGGGGGGGG	GGAGGGAAAG	GCAGAACGAA	AAGGAACCGA
	148621	TGCGCCCGCG	TCTCTGTATC	CGATCCGATC	CGGGTGCGTC	GGT GCCCCCGC	TGCGCCGCCGG
	148681	CGTCTCTGTC	TCGCTGTGGC	CCC CTTCGCG	ATGCCGCCG	TGCCGTCCC	GTCTCCGCCG
10	148741	CGCAGCCGGT	GTGCCCCCTGG	TGCGGCCGGG	ACC GGGACGC	CGGCCCTTTA	TGTGCGCGAG
	148801	GAACGGCCCG	CCCCCGTCC	GGGCCC GCCT	CGGGCGGGAG	CCCGCGGGAT	GACGCGGGCC
	148861	CGGGCAGGGG	CGCCAGTGCT	CGCAC TTTGC	CCTAATAATA	TATATACTAT	TAGGACGAAG
	148921	TGCGAACGCT	TCGCGTTCTC	ACTTCTTTA	CCCTGCGGCC	CGGCCCCCTT	TGGGGCGGGAG
	148981	CGCGGGATGA	CGCGGGCCCC	GGG CAGGGCG	CCAGCGCTCG	CACTTTGCC	TAATAATATA
15	149041	TATACTATTA	GGACGAAGTG	CGAACGCTTC	GC GTTCTCAC	TTCTTTTACC	CTGCGGCC
	149101	GCCCCCTTTG	GGCGGAGGC	GCC CGGGGAC	CAACGGGGCG	ACCTCGGCCG	CCCCCTTG
	149161	GCCGGCGGGG	GCCAACGGGA	GCGCGGGGCC	GGCATCTCAT	TACCACGAAC	CCGGAAGGGC
	149221	AGGGGAGCGA	GCCC GCCC CG	GACGAGGGTC	TCATTAGCAT	CGCGGGOGGA	AGCGGAAGCC
	149281	GCCCCGCGCCG	GGCGCTAATG	AGATGCCGCG	CGGGCGGAGC	GGCGGCCGCG	CGACCAACGG
20	149341	GCCGCCGCCA	CGGACGCCGA	CGCGCGGGCG	TGGGGCGGG	GCCGCGCATA	ATGCGGTTCC
	149401	ACCTGGGGGC	GGAACCCCGG	CGAGCCGGGG	CGCGGCCGCG	TCGATCGCTC	CTCCCTCGCG
	149461	TCCTCCTCCT	TTCCCCCCGC	CCC CGCGCGC	CCGAGGACTA	TATCAGCCAG	GCGACGGGGC
	149521	GATCGTCCAC	ACGGAGCGCG	GCT ACCGACG	CGGCCGCCAG	GATCTACCCG	ATCGCGCGG
	149581	AGAGGCGAAA	AGACACAGGC	ACACGCACGC	ACCGCACGGG	GGGGAGAGAG	ACTGCCAAC
25	149641	ACCCCCCCCC	ACTGCCGCC	CTGAAGAAGA	AGAAGAAGAC	CCCCCCCCCG	CACACCCCG
	149701	TCGGAGGCAG	TGT CGGCCGA	GCAGCGGAAG	AAGAAGAAGA	CGACGACGAC	GACGCAAGGC
	149761	CGCGGGGCCG	AGGT CGCGAT	GGCGGACGAG	GACGGGGGAC	GTCTCCGGC	CGCGGCCGAG
	149821	ACGACCGGGCG	GCCCCGGATC	TCCGGATCCA	GCCGACGGAC	CGCCGCCAAC	CCCGAACCCC
	149881	GACCGTCGCC	CCGCCGCGCG	GCCC GGTTTC	GGGTGGCACG	GTGGGCCGGA	GGAGAACGAA
30	149941	GACGAGGCCG	ACGACGCCGC	CGCCGATGCC	GATGCCGACG	AGGCGCCCCC	GGCGTCCGGG
	150001	GAGGCCGTCG	ACGAGCCTGC	CGCGGACGGC	GTCGTCTCGC	CGCGGAGCT	GGCCCTGCTG
	150061	GCCTCGATGG	TGGACGAGGC	CGTTCGCACG	ATCCCGTGC	CCCCCCCCGA	GCGCAGCGC
	150121	GCGCAAGAAG	AAGCGGCCG	CTCGCTTCT	CCGCCGCGGA	CCCCCTCCAT	GCGGCCGAT
	150181	TATGGCGAGG	AGAACGACGA	CGACGACGAC	GACGACGATG	ACGACGACCG	CGACGCGGGC
35	150241	CGCTGGGTCC	CGGGACCGGA	GACGACGTCC	GCGGTCCGCG	GGCGTACCC	GGACCCCCATG
	150301	GCCAGCCTGT	CGCCCGCACC	CCCGGCCGCC	CGCCGACACC	ACCACCA	CCACCAACCG
	150361	CGCCGGCGCG	CCCCCCCGCG	GCGCTCGGCC	GCCTCTGACT	CATCAAATC	CGGATCCTCG
	150421	TCGTCGGCGT	CCTCCGCC	CTCCTCCGCC	TCCTCTCCT	CGTCTGCATC	CGCCTCCTCG
	150481	TCTGACGACG	ACGACGACGA	CGACGCCGCC	CGCGCCCCCG	CCAGCGCCG	AGACACAGCC
40	150541	GCGGGCGGGG	CCCTCGGCCG	GGACGACGAG	GAGGCGGGGG	TGCCC CGGAG	GGCCCCGGGG
	150601	GCGGC GCCCCC	GGCCGAGCCC	GCCCAGGGCC	GAGCCC GCC	CGGCCCGGAC	CCCCCGGGCG
	150661	ACCGCGGGCC	GCCTGGAGCG	CCGCCGGGGCC	CGCGCGGCCG	TGGCCGGCCG	CGACGCCACG
	150721	GGCCGCTTCA	CGGCCGGGCG	GCCCCGGCG	GTCGAGCTGG	ACGCCGACGC	GGCCTCCGGC
	150781	GCCTTCTACG	CGCGCTAACG	CGACGGGTAC	GTCAGCGGGG	AGCCGTGCC	GGGGGCCGGC
45	150841	CCCCCGCCCC	CGGGGCCGT	GCT GTACGGC	GGGCTGGGCG	ACAGCCGCCC	CGGCCTCTGG
	150901	GGGGCGCCCC	AGGCGGAGGA	GGCGCGGGCC	CGGTTCGAGG	CCTCGGGCGC	CCCCGGGCC
	150961	GTGTGGCGC	CCGAGCTGGG	CGACGCGGCC	CAGCAGTACG	CCCTGATCAC	GC GGCTGCTG
	151021	TACACGCCGG	ACGCGGAGGC	GATGGGGTGG	CTCCAGAAC	CGCGCGTGGC	GCCC GGGGAC
	151081	GTGGCGCTGG	ACCAGGCC	CTTCCGGATC	TCGGCGCGG	CGCGCAACAG	CAGCTCCTTC
50	151141	ATCTCCGGCA	GC GTGGCGCG	GGCGTGC	CCCCCTGGGT	ACGCCATGGC	GGCGGGCCG
	151201	TTCGGCTGGG	GCCTGGCGCA	CGTGGCGGCC	GCGTGGGCC	TGAGCCCG	CTACGACCGC
	151261	GCGCAGAAGG	GCTTCC	CGACGCGCTG	CGCCCGCC	ACGC GCCCC	GCTGGCGCG
	151321	GAGAACGCGG	CGCTGACCGG	GGCGCGAAC	CCCGACGAC	GC GGCGACGC	CAACGCCAC
	151381	GACGGCGACG	ACGCCCGCGG	GAAGCCCGCC	GCCGCCGCC	CCCCGTTGCC	GTCGGCGGGCG
55	151441	GCGTCGCCGG	CGGACGAGCG	CGCGGTGCC	GCGGCTACG	GC GCGCGGGG	GGTGCTCGCC
	151501	GCCCTGGGGC	GCCTGAGCGC	CGCGCCCGCC	TCCGCC	CGGGGGCCGA	CGACGACGAC
	151561	GACGACGACG	GC GCGCGGCCG	TGGTGGCGGC	GGCCGGCGC	CGGAGGCGGG	CCCGCGTGGCC
	151621	GTGGAGTGCC	TGGCCGCC	CCGCGGGATC	CTGGAGGCC	TGGCGGAGGG	CTTCGACGGC
	151681	GACCTGGCGG	CCGTGCC	GCTGGCCGGA	GCCCCGCC	CCGCGCCCC	GCGCCCGGGG

	151741	CCCGCGGGCG	CGGCCGCC	GCCGCACGCC	GACGCGCCCC	GCCTGCGCGC	CTGGCTGCGC
	151801	GAGCTGCGGT	TCGTGCGGA	CGCGCTGGTG	CTGATGCGCC	TGCGCGGGGA	CCTGCGCGTG
	151861	GCGGGCGCA	GCGAGGCCG	CGTGGCCGCC	GTGCGCGCCG	TGAGCCTGGT	CGCCGGGGCC
	151921	CTGGGCCCGG	CGCTGCCGC	GAGCCC GCCG	CTGCTGAGCT	CCGCCGCC	CGCCGCCGCG
5	151981	GACCTGCTCT	TCCAGAACCA	GAGCCTGCCG	CCCCTGCTGG	CCGACACCGT	CGCCGCCGGCC
	152041	GACTCGCTCG	CGCGCCCGC	CTCCGCGCCG	CGGGAGGCCG	GCAAGCGCAA	GAGCCCCGCC
	152101	CGGGCCAGGG	CGCCGCCGGG	CGGCGCCCCG	CGCCCCCGA	AGAAGAGCCG	CGCGGACGCC
	152161	CCCCGCCCGG	CGGCCGCC	TCCC GCGGGG	GCGCGCC	CCGCCCGCC	GACGCCGCCG
10	152221	CGCGGCCCGC	CGCGCCCGC	GGCGCTGACC	CGCCGGCCCG	CCGAGGGCCC	CGACCCGCAG
	152281	GGCGGCTGGC	GCCGCCAGCC	GCCGGGGCCC	AGCCACACGC	CGGCGCCCTC	GGCCGCCGCG
	152341	CTGGAGGCCT	ACTGCGCCCC	GCGGGCGCTG	GCGAGCTCA	CGGACCACCC	GCTCTTCCCC
	152401	GCGCCGTGGC	GCCCGCCCT	CATGTTGAC	CCGCGCGCGC	TGGCCTCGCT	GGCCGCGCGC
	152461	TGCGCCGCC	CGCCCCCGG	CGGCGGCC	GCGCCCTTCG	GCCCCTGCG	CGCCTCGGGC
15	152521	CCGCTGCGCC	GCGCGGCCG	CTGGATGCCG	CAGGTGCCG	ACCCGGAGGA	CGTGC CGCGT
	152581	GTGATCCTCT	ACTCGCCGCT	GCCGGGCGAG	GACCTGGCCG	CGGGCCGCCG	CGGGGGCGGG
	152641	CCCCCCCCGG	AGTGGTCCGC	CGAGCGCGG	GGGCTGTCC	GCCTGCTGGC	GGCCCTGGGC
	152701	AACCGGCTCT	GCGGGCCCGC	CACGGCCGCC	TGGGCGGGCA	ACTGGACCGG	CGCCCCCGAC
	152761	GTCTCGCGC	TGGGCGCGA	GGGCGTGTG	CTGCTGTCCA	CGGGGGACCT	GGCCTTCGCC
	152821	GGCGCCGTGG	AGTTCTGGG	GCTGCTGGCC	GGCGCCTGCG	ACCGCCGCGT	CATCGTCGTC
20	152881	AACGCCGTGC	GCGCCGCCG	CTGGCCCGCC	GACGGGCCCC	TGGTCTCGCG	GCAGCACGCC
	152941	TACCTGGCCT	GCGAGGTGCT	GCCCGCCGTG	CAGTGC CGCG	TGCGCTGGCC	GGGGCGCGGG
	153001	GACCTGCGCC	GCACCGTGC	GGCCTCCGGC	CGCGTGTTCG	GGCCGGGGGT	CTTCGCGCGC
	153061	GTGGAGGCCG	CGCACGCGC	CCTGTACCCC	GACGCGCCG	CGCTGCGCCT	CTGCCGCGGG
	153121	GCCAACGTGC	GGTACCGCGT	GCGCACGCC	TTCGGCCCCG	ACACGCTGGT	GCCCATGTCC
25	153181	CCGCGCGAGT	ACCGCCGCCG	CGTGCTCCCG	GCGCTGGACG	GCGGGCCG	CGCCTCGGGC
	153241	GCGGGCGACG	CCATGGCGCC	CGGCGCGCCG	GACTTCTGCG	AGGACGAGGC	GA CACTCGCAC
	153301	CGCGCCTGCG	CGCGCTGGG	CCTGGGCGCG	CCGCTGCGG	CCGTCTACGT	GGCGCTGGGG
	153361	CGCGACGCCG	TGCGCGCCG	CCC GGCGGAG	CTGCGCGGG	CGGGCGGG	GTTCTCGCGC
	153421	CGGGCGCTGC	TCGAGCCG	CGGCGACGCC	CCCCCGCTG	TGCTGCGCG	CGACGCGGAC
30	153481	GCGGGCCCGC	CCCCCGAGAT	ACGCTGGGCG	TCGGCCGCG	GCCGCGCGG	GACGGTGTG
	153541	GCGCGGGCGG	GCGGCGGGCGT	GGAGGTGGTG	GGGACCGCCG	CGGGGCTGGC	CACGCCGCCG
	153601	AGGCGCGAGC	CCGTGGACAT	GGACGCGGGAG	CTGGAGGACG	ACGACGACGG	ACTGTTTGGG
	153661	GAGTGACCGG	GGGGGAAACT	TCCGGGAGCG	GGGGAGGGGG	GAGATGGGA	GAGGGGGAAAG
	153721	GAATCGGGCG	TCTGTGCGCC	TTTAAGACAG	ACGCGGCGAT	GGCCGCGCG	GTGTGTGAGA
35	153781	AATAAAGAAC	GAGACAGACG	AAAACGTACC	GCCTTGTG	GTTTATTGCG	GGGTCGGGCG
	153841	GGCGGGGGTC	GGGCGGGCG	GGGTCGGGCG	GGCGGGGGTC	GGGC GGGCG	GGGTCGGGCG
	153901	GGCGGGGGTC	GGGCGGGCG	GGGTCGGGCG	GGCGGGGGTC	GGGC GGGCG	GGGTCGGGCG
	153961	GGCGGGGGTC	GGGCGGGCG	GGGTCGGGCG	GGCGGGGGTC	GGGC GGGCG	GGGTCGGGCG
	154021	GGCGGGGGTC	GGGCGGGCG	GGGTCGGGCG	GGCGGGGGTC	GGGC GGGCG	CACGTCTCCC
40	154081	GCGCCCGCGG	GGGGTCTGGG	GCTCTGACCT	GAGTCAGGT	TACGAAGGTC	AGGTGGCCCG
	154141	AGCCCCCCC	CAGGAGCGG	AGGGAAAGCA	CGGGGCGCG	GAGGGAGGGG	CTGCTGCGAG
	154201	CTCGGGGCCG	CGGGCGCGG	GGGAGGGGCG	GGGAAAGCCC	CCGGGGCGGG	GCGCGGGGG
	154261	GGCGGCCGCG	GGGGAGGCCG	CCGCGGGAC	GCAGCCCCGT	GGCGCGCGG	GGGGAGGGG
	154321	TGCCCGCGAGC	TGGCGGGAT	GGAGGGGAGG	GAGGGGGTGG	GGGGGAACCG	TGTGCGGGCG
45	154381	GGCGGGGTGCT	TGGTGCACT	GTCTGGTCTG	CGAGGGCGAG	CGGTGGTGC	ACTGGCGTCT
	154441	TCGGGGGGGC	GGGGAGCTTG	GGAGTGTTG	GTGGTCTGCG	GCACAGCCTG	CTAGTCCCCG
	154501	TCCTGCGCGC	CGGGGGCGGG	CGCGGGAAAA	AAGCCGCGC	GGGGCGCCCG	CGGGAAGGCA
	154561	GCCCCCGCGC	GCGGGGGGG	AGGGGGCGCG	CCCGGGGGGG	AGCGGCCG	TCCGGGGGAG
	154621	GGACGGGGAA	GGGGGCGCG	GGGGCTGCC	TGCCGCCCGC	CCGCCGCGC	CGCCCCGCCTT
50	154681	CGCGCCCCCCC	CCCAAAAAAC	ACCCCCCCCC	GGGGTTGACT	CCCCGGGGGA	AAAGAGGCCG
	154741	GGCGGG					

**HUMAN HERPESVIRUS 3 (SEQ ID NO:111)**

	1	AGGCCAGCCC	TCTCGCGGCC	CCCTCGAGAG	AGAAAAAAA	AAGCGACCCC	ACCTCCCCGC
55	61	GC GTT TGC GG	GGCGACCATC	GGGGGGGATG	GGATT TTTTG	CCGGGAAACC	CCCCCCCCGCC
	121	AGCCTTAAC	AAAACCCGCG	CCTTTGCGT	CCACCCCTCG	TTTACTGCTC	GGATGGCGAC
	181	CGT GCA CTAC	TCCCGCCGAC	CTGGGACCC	GCCGGTCACC	CTCACGTCGT	CCCCCAGCAT
	241	GGATGACGTT	GCGACCCCA	TCCCCTACCT	ACCCACATAC	GCGGAGGCCG	TGGCAGACGC
	301	GGCGCCCCCT	TACAGAACCC	GCGAGAGTCT	GGTGTCTCC	CCGCCTCTTT	TTCTCTCACGT

	361	GGAGAATGGC	ACCACCCAAC	AGTCTTACGA	TTGCCTAGAC	TGCGCTTATG	ATGGAATCCA
5	421	CAGACTTCAG	CTGGCTTTTC	TAAGAATTG	CAAATGCTGT	GTACCGGCTT	TTTAATTCT
	481	TTTTGGTATT	CTCACCCCTA	CTGCTGTCGT	GGTCGCCATT	GTTGCCGTT	TTCCCGAGGA
	541	ACCTCCCAAC	TCAACTACAT	GAAACTACTG	TCCGGAAGGG	GAAGGTATTT	ATTCTCGCTT
	601	GCAGCTTGTC	GCGCGTGTAT	GCACAAACAAA	AGCTATATAT	GTCACCAAAG	CCAACGTCGC
	661	CATCTGGAGT	ACTACACCCA	GTACGTTGCA	TAACCTGTCC	ATTGCAATT	TCAGTTGCGC
10	721	GGACGCCCTT	CTCCGGGATC	GTGGCCTTGG	GACATCAACC	AGTGGAAATAA	GAACCGCCGG
	781	TGGTCTTGT	TGAACGACGA	GTGGCGACGC	GTTGTTCTGC	ATAAGCTCTG	TATGCTGATA
	841	CATAAACACA	GAGTCTGTAT	CGCTATCAGA	TTCCCGAAC	CCTTCCGGTA	CCCCATACTC
15	901	CGATAACCTG	GACATTGCGG	ATCCCAAAAA	TATAATATTA	ACAGGATTG	CTTATACTTT
	961	GCTACAGCTT	ATATAAATT	ATGTGCGATA	CATCTTAAGT	GCATCCGTAC	GTTATTTATA
	1021	CATTGCCCTG	CACGTAAAAA	GACTGTGTTA	CCCAATAAAG	GTTCTACAAA	AAATGCTTTA
	1081	TTGGGTGTTT	GTAAATAGC	TATTATCGTA	ACCCACCCCC	GTAAAATCAT	AAAATGCATG
	1141	TAATTTCTGA	GACACTTGCA	TATGGGCATG	TTCCCGCATT	TATTATGGGC	TCCACTCTGG
20	1201	TGCGTCCCAG	TTAAACGCC	ACCGCCGAGG	AAAATCCCGC	GTCAGAAACG	CGATGTTTAT
	1261	TACGAGTGCT	TGCGGGGAGA	ACTGTAGACC	TGCCAGGC	AGGAACGTTA	CACATTACCT
	1321	GTACCAAAAC	CTATGTAATT	ATTGGCAAAT	ATAGCAAACC	CGGCGAACGT	CTTAGCCTTG
	1381	CCCGTCTAAT	AGGGCGTGCA	ATGACGCGCTG	GAGGTGCAAG	GACATTATT	ATTTTGGCGA
	1441	TGAAGGAAAA	GCGATCCACA	ACGCTTGGGT	ATGAATGTGG	TACGGGCTTG	CATTTACTGG
25	1501	CTCCATCTAT	GGGTACATT	CTCCGCACAC	ACGGTTTAAG	TAACAGAGAT	CTCTGTTTAT
	1561	GGCGGGTAA	TATTTATGAT	ATGCATATGC	AACGTCTTAT	GTTTGGGAG	AATATCGCGC
	1621	AAAATACCAC	TGAAACACCT	TGTATAACGT	CGACGTTAAC	ATGCAACTTG	ACAGAAAGACT
	1681	CTGGTGAAGC	CGCACCTTAC	ACGTCAGACCC	GACCCACTCT	CCCAACCCCTA	ACAGCCCAAG
	1741	GAAGACCAAC	AGTTTCCAAC	ATTCTGTGGAA	TATTGAAAGG	ATCCCCCGT	CAACAGCCGG
30	1801	TCTGTCACCG	GGTTAGATT	GCCGAACCTA	CGGAGGGCGT	ATTGATGTAA	TCACTAAATA
	1861	AAATACACCT	TTTTTCGATT	GTACGTATT	TTATTAAAT	GTGTAGTTCA	TAGTCCGCCG
	1921	ACAGCCGCTC	GGGCTTTCC	CCACACATACA	ACATGATCGT	ATGCCTCGGA	TGACACGGTC
	1981	CAACACTCCG	CCGAGAAGGG	GGATTACAA	TGACAGTGAT	ACCCAATAGC	CGCCAGATGT
	2041	ACACCCAGCT	GTCCGGACTC	CAGCATCATC	TGCTGAGTTG	CGGCGCTGAA	GGGTGCATCG
35	2101	CATAGGGTGT	TATAATTAGC	CATTTCGGT	AACAGTCGTT	GGGAATTAG	GAGGCTGCAA
	2161	AAACGCTGTA	GGTCAACATA	CATTGGGGAT	TCAGATGGTT	TATCTCGACG	TCCAAGTCCA
	2221	ATCAAAAAAG	CGTGTAAATC	ATCAGCCCGG	CCGCATGTTG	CTCGAAGAGC	ACATAACCTC
	2281	TTAACACCCT	ACAGAGGGGA	TGGCGTCGGT	GCATGTGAGT	TGGCAGGGCA	TGTCACAGTT
	2341	GTTCACCAACG	CCAGTGGCGG	TATAACTTGT	GTAAACGACG	CCAACGGGTC	AGGTTAAGA
40	2401	TTCACTCGGA	TGGGTTGACT	GCTTCGGAA	GCTCCGTTG	TATCCATTAA	TTAACAGTTC
	2461	GGTACACGTC	TGGTGTGTT	TTTACCCGAA	TCAGAGACGG	AATTGCAAAG	ATATTGGTTT
	2521	GAAAGCAATG	TAATCCCGCC	CATATATCCC	CAACGTCGCC	TTAAAAACTC	CCACAATATT
	2581	ACATTTTAT	TAGTCTTTA	TTAATATAGA	ATCACATAAA	CAATTGATAA	AATCAAGGGG
	2641	TGGTGTATAA	TGATTAAAAA	TATAATTGA	TATGTTTAC	AAGCATGAA	TAGGTATTTA
45	2701	CTATTCTAAC	AGGTAATAT	GCTTAATGAT	AAAAAATACA	AATTAGTATG	TTTTGACAAG
	2761	CATGAAAAAG	GTATTTTTA	TTTTAGCAGT	AAAAGGTACT	ACACTAAAAA	TATTTACCGT
	2821	ATGGACGGGC	GTCAGAAAGA	TGCCCGGCC	AAGTTGAGAG	GGTACATTCA	ACACGACCAC
	2881	ACTCGCGTTG	GTGGGTGATT	AGGGCCTCTA	AAACACCGGC	CAGACATGAC	CCGGGTGTAT
	2941	ATTCTTGTA	CACTTGAACG	TTACAACGT	TATCATCATA	TTCCACAAAT	TTAGAGCCAC
50	3001	GGACAACTAT	ATTAGCAATG	CGGGCAATCA	TAACAAACAT	ATAAGTAGTA	ATACACGTGA
	3061	TATCACTAAA	ACGTTGCTGG	CGCAACAGTT	CGGGGAGAGT	ACGAGACCCC	AAATCGTTG
	3121	CCCTGTTTAG	AAGAAGACAT	CTTACAAAAG	GCCCCAGCTT	TAACTTTAA	TTCTCCAAA
	3181	GTGACTTCGA	GGTTGCAACA	ATGGGATTAT	TTGTGTAGAT	GGGCAAGTTT	TTTGCCGCTA
	3241	ACATTTAAT	CCACGTTAAC	AGTTCATCCG	CAGACTCCAA	CGCTTCATC	AAAGATTCTC
55	3301	CACGTATGAC	TCTCTCACGC	AAACGCGCGG	CAATACGTGA	GTCCATTGTTA	TATGACTCAA
	3361	AGGTACGATA	AAGTTCATGT	CCGTACAACA	TCAACTCCGG	CCAAGATGTG	TTTTGTTTTA
	3421	TCCCCGGAAA	ACATCCACCG	GAAGCCCATG	AATCACCCCTC	TTGTATTGTTG	GCATATCGGA
	3481	CTACCACTTT	TTCAATTGTT	TCATCTAAAT	GGCGTACCGA	GTCAATGGTC	ACGCTGGCTC
	3541	CCGGGTGGA	GACGACTCTCA	ATAGCACGGC	CCGTAATTG	ATCGACCGGG	ATATCATACT
	3601	CTTTTCGAAT	ACGCTCTCGG	CGGGCGTCTC	TCTTGGAAA	TCGCAACTG	TACGATTGCT
	3661	CATGTGTCTG	ATCATTTCTT	TCTCCCGTGG	TCATTGCGAG	AGGCCTTGTG	GGACGCCGTC
	3721	TTCGATTTGA	CAGGGATCGA	TCACGGTGT	TTCTTGAACT	TTGAGTGTG	TAAGATCTGG
	3781	ATGATCGTCG	ATGTCCTCGT	TCGATGCGTG	CATATCCAGT	CTCCACGTC	CTTCCTCCAT
	3841	GATGGTTGA	ATCGGGTAAT	ACAACAAACCA	AAGTTTCGG	GCGATTGTTG	TGGTAGCTTT

	3901	CACGCCCTCC	GTGCCTTCGT	TTGGAATACC	GTGGATTATA	TGCTGTATCT	GCAGTACGCT
	3961	CCACATACAC	AGTTCTAGAC	GTTGTGGAGT	CCTCGCCTGG	AGTGGAGCCA	ATAGCTTCAT
5	4021	CATTGCCCA	ATCGGTGACT	TCCAATGCAA	AGTCATCCGA	AGGTTCGTCT	GGTAGCAAAT
	4081	TCATAAAAGTC	TTCACAAAATA	GTAGACACGT	CTGGGTCGGT	TGGAATTGAA	GCAGAGGCCA
	4141	TGGCTGCAA	ATATCTGACA	ATTGCGTGT	TGCAGTTGCC	TGTATCTCC	GCCAATGTTG
	4201	TAGAATTAT	AGGCTCACCC	AACCCCGCAA	TGGGCGTGT	TAGTCACATG	ATTAATGCTT
	4261	CTGGGAGTTT	TCACTTCCC	CAAACAAGCT	TACCTGCACC	CTTGTTCTGT	AATGCATAAA
10	4321	AATAACCACT	GCTATAGCAA	ATATGACGAT	ATAAAAAACAT	TTTATAGCAA	GGCCGGACAT
	4381	TACTGTAGCG	CAACATGTT	TGCATATAC	ACGTATTCCC	CCCGTATTGA	TATGATTAA
	4441	ATGATTATCC	TTGGTTGGTT	TTGGTCTAAC	ATAAGATATA	AGCTCTACTA	TAGCGAGCGT
15	4501	GCATACAA	ACCCAGGCCA	GAATCCGAAT	GTATGTGGGG	TATAATAACG	CGCATGGTGT
	4561	ATATGCAACG	CCAAGCGTTA	AAAGCACAAT	ACATCCAGAT	GATATATGAG	CGATAACCTC
	4621	CAAAAGCATC	AATAACGTA	CACCTTTATG	CATATATAAA	AAACTTATAG	GGTCAGCATT
	4681	AAATACTTTA	CTCATACCAT	CCCGTCGCAT	GGAAACATCA	CATAACAACC	TTGCCAACTT
20	4741	TGTATATGGG	TAACCAAGAA	GAATGTTCGA	AATAACCCGT	GTTACGTAAT	TCAGTGAATA
	4801	TGATGTGGGG	GATAATTAACT	CACAGGATGA	TCGGAATGGC	CCAAACATAC	GACGTATTCG
	4861	TCGAAATTGT	AAATACATAC	CATATACAA	CCATGCAAAA	AAAATCATTT	TTAGCTGCAC
	4921	GCACCAAAAA	TAAGCGTGAC	AATTACGTGT	TCCCAGAAC	ATTCGAATT	TGTCATGCAA
25	4981	AGGTGTAGAA	ATAGCGGTTT	TTACCATAGT	ATCTCCTGAT	AATAGATTT	CCCGGCAGCT
	5041	GTAATCGTAT	CCAGATAGGC	CATCCAAAAA	CGTTGAGTGG	TTTACAAACG	TTACATATAT
	5101	AAGAGAGTTG	TTATAAGACC	CCCATACAAAC	CGGTCACCA	TTAACACCG	TGGTTGCATA
	5161	CACACACTCA	TGTTCAAAC	TTACACGAGC	GGTATACCAT	AGGGTAAAAA	CAGCATGTCC
	5221	GCTAAGTAGA	CACATAATTA	AAAATGTT	TGTCTGATT	CCTAAAGCCT	GCATGACCCG
	5281	TGGAAGATGG	CAATTCAAGC	ACGATGTAGT	ATCACACGGT	TGGTGTAAAC	TCGAAGTTAA
30	5341	ATTTGGATAA	TTAGGTACTT	CTAGAGTAA	GATTGTATGC	ATGCGATTGC	TATCGCACTT
	5401	TGTAGCAAAA	CATTGTTGT	CAAGCGAAAT	ACACAAACGG	TTGTGATGAT	CCACTCGCAG
	5461	AGACACAAAT	GTCCGGGGAG	CCGTTCTTC	TCCGCGATGG	GGATATCGAA	GACAAGTGA
	5521	CCCTTTGTT	CCGCATATGA	GCTGAAATAA	CACCCAGTCC	CTTTGATGG	CGATACACTT
	5581	TGATGATGTT	AAGGTATATT	CGCGATCAGC	CCCGGGAAA	TGAACAGCAA	TATGCTCCAC
35	5641	AATAGATTCT	AATATTGTGC	TGTCGACAAA	GGCCTCCAGT	GTAAATGCGT	CCAGACAAAGT
	5701	TACCCCGCGC	TCTTTAGAG	CCTTGTAA	AGATATTGTC	GGGGAGCTAA	ATATTTGTTT
	5761	ATTACGCGCA	ACCTTACGTT	CAAAAAACTC	TGCGTATTCC	CCCCCAAGGT	TATGAAAAT
	5821	AAATTGCACT	GGAACATTG	ACTGCGGTCT	TGAATGAAA	TGAAAGTTG	CCGGGTTTCT
	5881	ATGTGATGTC	ACAAACGCTA	ATATATCAAT	ACACTGCTCA	GGTACAACAT	AAAATGGGAG
40	5941	TAGTTGTCCA	ACCGCCGTCC	CTGTGGTTGT	TACTTGGAG	AAAAAAGGCA	GTCTTAAACT
	6001	ATGTCCTGG	CTATAAACAC	CAGTATCTAT	AAACGAAAAG	TCCCCTAAAT	ACGGACCAAT
	6061	ATATTCAACA	AATTCCCGTT	CCAGCAACAC	CGCTTGTCTGT	AATATTGTTG	CAAACCCCTT
	6121	TAAAGTGGAA	GACCCCCACTA	ACGCATAGGG	ATTTGGGATT	GGTACGCATA	CCCTGAAACC
	6181	TATTTTCTCT	TTACAGTTAC	AGGGTAGAGT	TTCATGCAAG	TTTCATGTTG	TTGATACATC
45	6241	GGCGTGTGTA	TGGACTTCAG	ACGTTGTCG	TGTATCAAAA	AACCATAACAT	CCTCTGTATA
	6301	ATTCTCTTCT	ACACACGTGT	ATAATTGCGC	ATTTTCTATG	AAAAATCGA	TGTCAGAATG
	6361	GCTGGTTATA	TCCAATAAAAT	TATCATCATC	CAACACCTCA	ACGGTAGGTT	CAGGACATGC
	6421	AGTTTTATAA	AAATAACATG	GGTCTTTGTT	AGGGTTTACC	ACGGCCTTTG	AAAAAAAGTAA
	6481	TTGCATGGCC	GTTAAAATAC	CATGACGAAA	TGCTCGCATG	CCGGCATGTA	AAATACCCAA
50	6541	TGGGATGGGT	TTTCTTATAT	GAAAGTCTAC	ATCAAGTATG	AGGTTTGTGA	TTATAAGATT
	6601	TGTATTAAT	AGCTCATTCC	TGTTTATATA	AAGCTGATCT	TTGGGTATGT	TTGATGAAAT
	6661	TTTAGAACG	TTTTAACAG	ACGTAGATAA	TAGTAAAGTC	AACTGCATAT	CTCGTAGTGA
	6721	AGCGGCAACA	AAATTACATG	GATTAATTG	TTTAAGGTCC	TCCGCAATT	ATCGAGCCTC
	6781	GTGCGGTAAA	GTGTAACGGT	TTGTTATTGA	TGACCACGTA	TCATTAGCAA	TAACAGCAA
55	6841	TGCTTGGGCG	CCGTGAGGCA	AGGCTACCCG	ATATACAGGC	ATTGGTCAG	TTACCTCAGA
	6901	ATGGCCGATG	AGGGCTTCTA	ATGGAGTTT	ATAACTCAGG	ATGGATAACAT	CATGTGTGGC
	6961	TATCCCAGTG	GCAGCAGAGA	AAAACAGTAA	TAGTTTGTA	ATCCCCGGGC	TCGTATCAA
	7021	ACCAGTACGA	CCACTTTGGT	TAGGTGTATC	GTTTGCAAAG	TTGGCTGCTC	GTAACGCCTC
	7081	CGCGGAAACA	CCCGAATCCT	AAAATTAGA	CAATTGTC	AAACCGGGTG	GATTGAGGG
	7141	AATAGTGGAG	GACCATCCAT	ATGGACTAAA	TTGTTTTCA	ATGTTTTCCA	CACGACGAGT
	7201	TAGCGTTGTA	GCTAGGTAC	ATACGCCTAT	AAAATGCTA	GGTTTTGCGG	CATACGTAAG
	7261	ACTTAAAGTA	TATGTTTTAG	TAATTGTATA	TTTATGTC	ATCTCAGGTC	CAAGTTCACT
	7321	GACATCACAA	ATTACGTTCT	TTTTTATATA	GTCACGCATG	TTGAGACGGAG	AACGTACATG
	7381	ATTAACAAA	TTAGCAGTAG	CTCTTTTCC	CAGGTTGGAT	GATTTTAAGA	GGACCGGTTT

	7441	ATTCACAAAA	TCTGAGTATG	TAACCGCTTG	TAGGTGGTCT	GCGATCTGTT	TCCGATTGAA
	7501	ACATTCAAAA	TGTGCCAGAT	AAATATAATC	AACAAATTCA	CGGTCTGGAA	CTTTAAGGCC
5	7561	TTTTCTATCG	TTGGTAATAT	ACTCCGATAC	TGCGTGTATT	TCCGTTGTGT	CTGTATGTAT
	7621	TCGCTGTAAA	ATGTACGATA	GAGCATTTT	GGCTGTCAA	CCTCGTGTAT	ATGTTGAGGA
	7681	ACAACAAAC	ATGGAAAGTT	TATCAAAAGA	CAACAAGTCC	GAAATATTGT	ACCCACTACA
	7741	ATTAGGTAAT	GCCGGGACTT	GGTAAGTTAA	AAACAAATCT	TTAATTGCCT	GTAAGTCATA
10	7801	TAAGGGGGTT	TCCAACGTAT	TGTAACTTGT	GTCCGTTGT	AACAAGTAAT	AGCGTGTAGC
	7861	CAACACTAGC	GTTCCTTCAG	AGGGTCCAAA	TCGAACAATA	TACCAAAACG	GCGAGCATCC
	7921	ATACCCCCAG	TAGAGTCGTC	GATATGCAGC	CAATACTTGA	CGTTCGTAAT	GGGCATATAA
15	7981	TGATGTTAGC	TCCTGACGAC	CAACGGATT	TTTAACTAAC	TTGCAGAGTG	TTGCCTCTGT
	8041	GATGCATAGG	CCGTTGTCCG	ATAATCCCTT	TCGGTTAAA	TGGTGTGTTG	TTACCATCAG
	8101	AGTTTGTATA	ACTTCCGAGT	GAATGTCAA	CGTCTCCGAT	ATACATAGGG	TATCAGATAT
	8161	TATATGCGGA	TTTAGGGGTG	CTCCATACCA	TAACGCCCTA	TATAAAGCTT	AAAATCAGT
	8221	TTGGGTTTTA	AAACAACAAA	AAAATATAGG	CCAGACCCGG	GATCGTACAT	CTCCAGTTGA
20	8281	AAATCCACCA	ATTAATAAAA	AAATAACGTT	GACGTCCCTA	CTACAAAATA	AATGCATTAT
	8341	TTGGTTTTCT	TCATCGTTT	CAGTTACTTC	ACGTGGGCGT	TTAGTTGGG	TTACTTGC GT
	8401	GATCTCTTCC	CTCCCATT	TGACAAAGAC	GTCATCTAAG	TCGGGAGTCC	AAGTATAACT
	8461	CACCACATAC	AGAGGTTCTG	TGCTTATCTG	CCC GGTAAGC	AACAACAGCG	AGTGGGAGAT
	8521	TGCACATCCC	TTTGTGGCAA	ATAATAACCG	AATCGTCGGT	TTGGAGGATT	TATCCATAGT
25	8581	TCAATACGTT	GGAAAGCAG	TCAATCATGC	AGACGGTGTG	TGCCAGCTT	TGTTGGATATG
	8641	CTCGAATACC	AACTGAAGAG	CCATCTTATG	AAGAGGTGCG	TGTAAACACG	CACCCCCAAG
	8701	GAGCCGCCCT	GCTCCGCCTC	CAAGAGGCTT	TAACCGCTGT	GAATGGATTA	TTGCCCTGCAC
	8761	CTCTAACGTT	AGAAGACGTA	GTGCGTTCTG	CAGATAATAC	CCGTCGTTTG	GTCCCGCGCC
	8821	AGGCTTTGGC	GCGAACTTAC	GTCGCATGTT	CTCGTAACAT	TGAATGTTA	AAACAGCACC
	8881	ATTTTACTGA	AGATAACCCC	GGTCTTAACG	CCGTGGTCCG	TTCACACATG	AAAAACTCAA
	8941	AACGGCTTGC	TGATATGTGT	TTAGCTGAA	TTACCCATT	GTATTATCG	GTTGGCGCGG
30	9001	TGGATGTTAC	TACGGATGAT	ATTGTCGATC	AAACCCCTGAG	AATGACCGCT	GAAAGTGAAG
	9061	TGGTCATGTC	TGATGTTGTT	CTTTGGAGA	AAACTCTTGG	GGTCGTTGCT	AAACCTCAGG
	9121	CATCGTTGA	TGTTTCCAC	AACCATGAAT	TATCTATAGC	TAAGGGGAA	AATGTTGGTT
	9181	AAAAAACATC	ACCTATTA	TCGGAGGCGA	CACAAATTAC	TGAAATTAAA	CCCCCACTTA
	9241	TAGAAGTATC	GGATAATAAC	ACATCTAAC	TAACAAAAAA	AACGTATCCG	ACAGAAACTC
	9301	TTCAGCCCGT	GTTGACCCCA	AAACAGACGC	AAGATGTACA	ACGCACAA	CCCGCGATCA
	9361	AGAAATCCCA	TGTTATGCTT	GTATAAATAT	TGAAATAAAA	ACTAAAAACG	TTTCTGGTGT
	9421	ATGTTTTAT	TTTGTATATA	AAATTAAAAC	ATTGCTGGCT	GGCGTGGTTA	TTACATTAA
35	9481	TGTTTTAGTA	GAAAATCGAC	ATCGTTGTT	TCTTTATCAG	TTGAACCAAA	TCCACCGT
	9541	CCCCGTTCGC	TGGGTGGC	TATTAGATCT	AACGTTTAG	AAAATACCA	TTGTACACCC
	9601	GGTATGCCAC	ATTTACCGCG	GATAGCATAA	GGAAATGCAA	TATTACTTAA	AACGTTGTGT
	9661	TTTAAGTGT	TTGGGGTGT	GTGATCTATT	AACAGGACCT	GTGCAAGACG	ATCTCCCGTT
	9721	TTTATACGTA	TGTCATCAC	CGTGAGGATTA	TATACGTAGA	ATTTACAGTG	TTCTCCTGCA
40	9781	GGCCATGCCG	TTGGACACAC	GATAATGCCT	GATCGGCTT	TCGATGATCT	TCCAAAATA
	9841	TAAGCGTTA	TACTCGGATG	TTGTAAGTCC	CAGTCTCTTA	TAATCGGTA	GACAATT
	9901	ATAAATTCA	TCCTTTTAA	ATATAGGTTA	TATGGTACAC	AAATATCATA	TCCCGCGTCT
	9961	TCTTGGCGTT	TTGGATTGAT	GATATGTTG	TAGGTTAAGG	GAACATCGAT	ATGGTATTCT
	10021	GCAGAATCCC	TATGAAAGG	TTGCCCTG	TGTACCGTGG	AAATATCAGC	AAATTCAAGGT
45	10081	ATAACGGGTT	TTTCATAATT	TGACGGCGAG	TTTGATAAGG	GTTGAACCTG	TATCGATT
	10141	AAAATTGGAT	CCAGATGTTT	AAGAACGTTT	TTTGGGAGAA	GGCGACTTTG	TCTTAATT
	10201	ACCGGGAAACA	AGTAGATTGT	TAATGTCCG	GGTAAAATAA	CGGTTACTCC	TGGCCGGTAA
	10261	TACAAAAGGG	CTGAAATTAC	TCCTCTGAA	CCCGCATCAA	TAACTCCGTT	GGCGACAAA
	10321	AAATTGCTT	CATCAGCAAG	GGCAGTATCT	TTGCATTGAA	TTAACAAACG	TGCGTATTCA
50	10381	TTGGGAGGCG	CCGACTTAAC	CAACAGCTCC	AACTGCTGCA	TATAAAAACC	GCCCCGTGTT
	10441	ACAGATTTT	CAGATGGCAG	TTCGAGTTTC	TTG'TGGTTC	GGAGTAACAA	CGGTTGATGT
	10501	CGACTTACTT	TATCGTCTAA	CACCGATTGC	AGCGTATCTG	CACATTCA	TTGAAACTTCT
	10561	ATTAAAATTG	TATCTTTAA	ACACCGATT	GGAAATAGTTT	GGCTACAAA	CATATCACCT
	10621	GTATTACTG	CCGTTCCAA	GATGGGATCA	ATTACCGCTT	CGTTCATATT	AATAACGATG
55	10681	CAAATTTTAT	TTTTTTGTGA	AGACAGCAGT	GGGGAGCCAA	ACTTTGCA	ACGGAATT
	10741	TGGCATGCCA	GCTGTTCGGC	TCGTGGAGTT	TATATCGACG	GATCAATGAT	CACCAACCTT
	10801	TTCTTCTACG	CATCCCTTT	GGGGGTGTGT	GTAGCCCTTA	TTTCGTTAGC	TTATCATGCG
	10861	TGTTTCCGGT	TATTTACTCG	TTCTGTATTA	CGCAGCACGT	GGTAAACCCG	TTTGCTATA
	10921	AAAGGGGCAG	GC GTATCAA	GAGGGCCCT	GTT' TAATACG	CGGTCTGCCG	TGTTTGGATA

	10981	TTTCACGACC	CTATCGTTA	TTTACGTAAT	GGCATCTTCC	GACGGTGACA	GACTTTGTCG
	11041	CTCTAATGCA	GTGCGTCGTA	AAACAACGCC	TAGTTATTCC	GGACAATATC	GAACCGCGCG
	11101	GCGAAGTGTG	GTCGTAGGAC	CCCCCGATGA	TTCAGACGAC	TCGTTGGGTT	ACATTACCAC
5	11161	AGTTGGGGCC	GATTCTCCTT	CTCCAGTGTG	CGCGGATCTT	TATTTTGAAAC	ATAAAAAATAC
	11221	GACCCCTCGC	GTACATCAAC	CAAACGACTC	CAGCGGATCG	GAAGATGACT	TTGAAGACAT
	11281	CGATGAAGTA	GTGGCCGCC	TTCGGGAGGC	CCGTTTGAGA	CATGAACTGG	TTGAAGATGC
	11341	TGTATATGAA	AACCCGCTAA	GTGTAGAAA	ACCATCTAGA	TCTTTTACTA	AAAATGCGGC
10	11401	GGTTAAACCT	AAATTAGAGG	ATTCAACGAA	GCGAGCTCCC	CCGGGAGCAG	GCGCAATTGC
	11461	CAGCGGGAGA	CCAATTTCT	TCAGCACTGC	ACCAAAAACC	GCAACAAGCT	CGTGGTGC
	11521	TCCTACGCCA	TCATATAACA	AACGCGCTT	TTGTGAAGCG	GTCCGGCGCG	TAGCCGCCAT
	11581	GCAGGCACAA	AAGGCTGCCG	AAGCGGCTT	GAATAGTAAT	CCCCCAAGGA	ATAACGCCGA
15	11641	ATTAGACCGT	TTGTTAACCG	GAGCGTTAT	TCGTATTACG	GTGCATGAGG	GTTAAATT
	11701	AATACAAGCC	GCTAATGAAG	CAGACCTAGG	TGAAGGAGCA	TCGGTATCCA	AACGTGGACA
	11761	TAATCGAAA	ACTGGAGATT	TACAGGGGGG	CATGGGTAAT	GAACCTATGT	ACGCACAAGT
20	11821	TCGTAAGCCA	AAAAGTCGAA	CGGATACACA	AACGACTGGG	CGTATAACTA	ATCGAAGTAG
	11881	GGCCCGTTCT	GCATCAAGAA	CTGATACGCG	AAAATAGGGA	TATAATTACG	CAGTAACGGT
	11941	TTACCCGGTA	TTATGTATAA	TAAATAAACG	TATAAAAGAC	AGTCGTGGTT	TGTGTTTATT
	12001	ATAAAATGTGT	ATTATATGTC	ACATATTATA	AACTGTTAA	ATAGTACCCAC	GTGGTATTAT
25	12061	GAACAGTTA	TAATCAGTTG	CTACCAAACA	AACCCCATTA	GACGGCGGGT	TTTGATAAAG
	12121	GGAATCGCTT	ATTTAAACTA	AAGATTTAC	TCTATAAGTA	TGGAGTGTAA	TTTAGGAACC
	12181	GAACATCCTA	GTACAGATAC	GTGGAATCGT	AGTAAAACGG	AACAAGCGGT	TGTGGACGCA
	12241	TTTGATGAAT	CGTTGTTGG	TGATGTAGCA	TCGGATATTG	GATTGAAAC	GTCGTTATAT
	12301	TCACATGCAG	TTAAAACCTGC	TCCGTCTCCG	CCTTGGGTAG	CTAGCCCTAA	AATTATATAT
30	12361	CAACAGTTAA	TACGGGATCT	TGATTTTCA	GAAGGGCCGC	GTTTACTATC	ATGTCTGAA
	12421	ACCTGGAACG	AGGATTATT	CTCATGTTT	CCTATTAAATG	AGGACCTATA	TTCCGATATG
	12481	ATGGTTTAT	CCCCGGATCC	AGATGACGTT	ATCTCAACCG	TTTCAACCAA	AGACCATGTT
	12541	GAAATGTTA	ATTTAACAC	CCGGGGTTCC	GTTCGATTGC	CTAGTCCACC	AAAGCAACCG
	12601	ACGGGGCTTC	CAGCTTACGT	TCAGGAGGTC	CAGGATTTCGT	TTACCGTAGA	ACTACGCGCC
35	12661	CGGGAAAGAAG	CATACACAAA	ACTACTAGTT	ACTTATTGTA	AATCGATTAT	ACGTTATCTC
	12721	CAAGGAACGG	CGAAAAGGAC	GACAATAGGT	CTTAATATAC	AAAACCCCTGA	CCAGAAAGCT
	12781	TACACGCAAC	TCAGGCAAAG	TATTCTACTT	AGATATTATC	GTGAGGTGGC	AAGTTGGCG
	12841	CGTCTTCTGT	ACCTACATT	ATATTTAAC	GTAACCGCGT	AATTTTCTG	GCCTTGTAC
	12901	GCCAGTCAT	CTGCACACCC	GGACGTGTTT	GC GGCTTAA	AATTACCTG	GACCGAACGT
40	12961	CGACAGTTCA	CGTGTGCGTT	TCATCCTGTA	TTATGCAACC	ACGGCATTGT	GTTATTAGAA
	13021	GGGAAACAC	TAACAGCGTC	TGCCCTTGAGG	GAAATAAATT	ACCGCCGCCG	AGAACTGGGA
	13081	CTGCCTCTAG	TTAGATGTGG	TCTTGTGAA	GAAAACAAAT	CTCCGTTGGT	TCAACAACCC
	13141	TCATTTTCGG	TTCAATTAC	ACGGTCGGT	GGTTTCTTA	CCCACCAACAT	TAAGCGTAAG
	13201	TTAGACGCAT	ATGCGGTCAA	ACATCCTCAA	GAACCGAGAC	ATGTACGAGC	GGATCATCCT
45	13261	TACGAAAAG	TTGTTGAAAA	TAGAAACTAC	GGTAGTAGCA	TCGAAGCTAT	GATTITAGCA
	13321	CCTCCGTCCC	CATCCGAGAT	CCTGCCGGGG	GACCCACCAC	GCCCACCCAC	GTGTGGGTTT
	13381	TTAACCGCGTT	AAACGTCA	GGGGTAGAGG	GTGTAATAA	ATTACGAAAAA	CGTGCATGCG
	13441	TTTTTATTT	TTACAATGCG	CCGTATATGG	TATGTCCTGTC	ATGTGCTCTA	AAGTCCCATA
	13501	TATAAAAGAA	GCCCCAACGA	GTGTATGCGT	ATTGCGTACC	GCGACCCCTGG	GATGTTTAC
50	13561	AGGCGCGTTT	GTTCGTCTCG	GTATATAAGTA	TGCAGTCGGG	TCATTATAAC	CGGAGGCAAT
	13621	CCCGCCGACA	GCGGATATCG	TCTAATACCA	CAGACTCCCC	CCGTCACACCA	CACGGAACAC
	13681	GTTATCGGTC	AACCAATTGG	TATACACACC	CACCCCGAGAT	ATTGTCCAAT	TCAGAAACAT
	13741	TAGTTGCGGT	TCAAGAACTA	CTGAACCTCCG	AGATGGATCA	GGACAGCAGT	TCTGACGCAT
	13801	CGGATGATTT	TCCGGGATAC	GCCTTACATC	ATTCTACATA	TAATGGATCC	GAACAAAATA
55	13861	CATCAACTTC	CAGACATGAA	AATCGCATAT	TTAAATTAAAC	GGAGAGGGAA	GCTAATGAGG
	13921	AAATCAACAT	CAATACGGAC	GCGATCGACG	ACGAGGGAGA	GGCGGGAGGAG	GGAGAGGCAGG
	13981	AGGAGGACGC	GATCGACGAC	GAGGGAGGAG	CGGAGGGAGG	AGAGGCAGGAG	GAGGACGCGA
	14041	TTGACGACGA	GGGAGAGGCG	GAGGGAGGAG	AGGCAGGAGGA	GGACGCGATT	GACGACGAGG
	14101	GAGAGGCGGA	GGAGGGAGAG	GCGGAGGAGG	GAGAGGCAGGA	GGAGGGAGAG	GCGGAGGAGG
	14161	ACGCGATCGA	CGACGAGGGA	GAGGGAGGAG	AGGACCGGGC	GGAGGGAGGAC	GCGATCGACG
	14221	ACGAGGGAGA	GGCGGAGGAG	GATTATTTT	CTGTAAGTCA	AGTTGCGAGT	CGAGACGCGG
	14281	ATGAGGTTA	TTTACGTTA	GACCCGGAAA	TAAGTACAG	TACCGATCTT	CGCATTGCAA
	14341	AGGTTATGGA	GCCTCGCGTA	TCAAAGGAAC	TTAATGTATC	AAAACGTTGT	GTTAACCTG
	14401	TTACCCCTAAC	AGGCTCTATG	TTAGCGCATA	ATGGGTTGA	TGAGTCCTGG	TTTGCTATGC
	14461	GCGAATGTAC	CCGTCGCGAA	TATATTACGG	TCCAAGGATT	ATACGACCCA	ATTCAATTAC

	14521	GGTATCAGTT	TGATACTTCC	CGGATGACAC	CCCCACAGAT	TTTGAGAACT	ATACCAGCCC	
	14581	TTCCTAACAT	GACACTTGGT	GAACTTTAT	TGATTTC	TATTGAAATT	ATGGCCCAAGC	
	14641	CAATTCTAT	AGAACGTATT	TTAGTTGAAG	ATGTATTTT	AGATAGGCCG	GCTCCAGTA	
5	14701	AAACACATAA	ATACGGCCG	CGTTGGAATT	CCGTCTACGC	ACTTCCATAT	AATGCGGGTA	
	14761	AAATGTATGT	ACAACACATT	CCTGGGTTT	ATGACGTGTC	CTTACGTGCT	GTGGGCCAAG	
	14821	GAACGGCCAT	TTGGCATTAC	ATGATATTAT	CCACAGCAGC	ATGCGCTATT	TCTAATCGCA	
	14881	TTTCACATGG	AGATGGATT	GGATTTTGT	TAGACGCCG	AATTCTGTATT	AGCGCAAAC	
	14941	GTATTTTTT	GGGACGTAAC	GATAATTTG	GCGTGGGGGA	TCCATGTTGG	TTAGAAGACC	
10	15001	ATCTTGC	ATTACCAACGA	GAAGCCGTAC	CCGACGTACT	CCAAGTGACA	CAGTTGGTTT	
	15061	TGCCAAATCG	GGGTCCAACG	GTTGCCATTA	TGCGTGGTT	TTTGGGGCG	TTGGCATATT	
	15121	GGCCCGAACT	AAGAATTGCT	ATAAGTGAAC	CATCTACATC	TTTGGTGC	TATGCTACCG	
	15181	GTCACATGGA	ACTTGCCGAA	TGGTTTTTAT	TTTCACGTAC	ACATAGTTA	AAGCCACAAT	
	15241	TTACCCCAAC	GGAAACGGGAA	ATGTTAGCGT	CATTTTTAC	GTTGTATGTT	ACTCTTGGTG	
15	15301	GAGGAATGTT	GAACGGGATC	TGTAGAGCAA	CTGCAATGTA	TTAGCTGCT	CCTTACCAATT	
	15361	CCCCTTCGGC	TTACATCGCG	GTCTGTGAAT	CTCTGCCCTA	TTACTATATC	CCGGTTAATA	
	15421	GTGACCTGTT	ATGTGATT	GAGGTATTAC	TGTTAGGCGA	GGTCGACCTC	CCAACGTGTT	
	15481	GTGAATCCTA	CGCAACTATT	GCACACGAAT	TAACCGGATA	TGAGGCTGTT	CGCACAGCAG	
	15541	CCACAAATT	TATGATAGAG	TTTGC	GTTATAAGGA	AGTGAGACC	GATTAATGG	
20	15601	TAAGCGCGTA	CCTGGGGGCC	GTTTATTGTT	TACAACGGGT	GTTGGGT	CAT	GCAAATCTTC
	15661	TTTTGTTGCT	TCTCTCCGGT	GCTGCGTTGT	ACGGAGGATG	TTCAATTAC	ATCCCCCGAG	
	15721	GTATTTAGA	TGCATATAAT	ACTTTAATGT	TGGCAGCAAG	TCCTCTTAC	GCTCACAAA	
	15781	CTTTAACATC	CTTTGGAAA	GACCGCGATG	ATGCAATGCA	ACTTTGGGG	ATTCGACCGA	
	15841	CAACGGACGT	TTTACCCAA	GAGCAAGACA	GGATAGTTCA	GGCATCACCT	ATAGAGATGA	
25	15901	ACTTCCGTT	TGTGGGATTG	GAGACCATCT	ATCCCAGA	ACAGCCCAT	CCCTCCGTGG	
	15961	ACCTAGCCGA	AAATCTTATG	CAATACAGGA	ATGAAATTCT	GGGTTTGGAT	TGAAAAGCG	
	16021	TAGCCATGCA	TTTACTACGA	AAATATTAAG	GGTTGTGATT	TTTTCATTA	GGATGAAAAG	
	16081	AACGTTCC	AGCCACACCC	ACAAAGGAGT	TTGTAAAATA	AAATCTCTGT	TTAGACCTA	
	16141	AAATTGTTG	TGTGTGTTGT	GTGGGGGTC	CGTAGGATC	GACCTTTACA	AGATATAATT	
30	16201	TGTCCATATC	GCAATGTTT	CTCGGTTGC	CGCTTCTT	TCCAGCGATG	ATAGAACGCG	
	16261	TAAATCTTAT	GATGGTAGTT	ACCAAAGTTT	TAATGCCGGC	GAACGTGATT	TGCCACACC	
	16321	TACCCGGGAC	TGGTGTCTA	TTTCCCAACG	CATAACCAGC	GAGCGCGTGA	GGGATGGATG	
	16381	TCTTATTCCA	ACGCCCGGCG	AGGCTTTGGA	GACGGCGGTA	AAGGCTTAT	CTGAAAAGAC	
	16441	CGACAGCTA	ACATCGCCG	TTTACAAAG	TACCGAAAGA	CACAGTGTTC	TGCTTGGATT	
35	16501	ACACCATAAT	AATGTTCTG	AATCGTTGGT	GGTCTCGTGT	ATGTCTAACG	ATGTTCATGA	
	16561	CGGGTTTATG	CAGCGTTATA	TGGAAACAAT	TCAAAGATGT	TTGGATGACC	TGAAACTTTC	
	16621	TGGGGATGGA	CTTGGGGGG	TTTATGAAAA	TACATATTGG	CAGTATCTCA	AATACACCAC	
	16681	AGGAGCCGAG	GTACCGGTGA	CTTCAGAGAA	GGTAAATAAA	AGTCTAAAT	CCACGGTTT	
	16741	GTTGTTTCA	TCCGTAGTTG	CCAATAAAC	AATATCCAGA	CATCCTTTA	AATCTAAAGT	
40	16801	TATAAATTG	GATTACCGGG	GAATATGTCA	GGAGCTACGT	GAGGCGTTAG	GAGCTGTGCA	
	16861	AAAGTATATG	TATTTATG	GTCCAGATGA	TCCTACAAAC	CCCAGCCCG	ATACAAGAAT	
	16921	ACGTGTACAA	GAAATTGCGG	CTTACACGGC	TACTGGCTAC	GGGTGGATGT	TATGGTTCTT	
	16981	GGACGTTGTG	GACGCCAGGG	TATGTCGCCA	TCTCAACCT	CAATTTCGAC	GGATTCGAGG	
	17041	GCCGCGCG	TCTGTTATT	CAGATGATT	GCTTAGACGA	CATTAAAAAA	CGGGTCCCTGC	
45	17101	GGTCTCAGCG	GGCACAGGAG	TTGCGTTT	TTTAGCAGCA	ACAAC	GCGCTCTTAC	
	17161	TGCGTTT	CGTATTAGT	TATTATGGCG	AAAGGAAGAG	TGGCGGGATG	GTTAAATGG	
	17221	AACCGCAGCT	GCAATTGTTG	CGGCGGTTGA	ACTTATTACG	CTTTTGCA	ACCATTTC	
	17281	ATACTTAATT	AATATGATG	TTATTGGATA	TGCATGTTGG	GGGGATGGGG	GATTAACG	
	17341	TCCTTATATA	TTAAAGGCCG	TACGTGCCA	GGGACGGTT	TTATATT	CGGGTCAGTT	
50	17401	GGTCAGAAC	ATGTCAACAC	ACAGTTGGGT	TGTGTTAGAG	ACCAGCACCC	ATATGTGGTT	
	17461	TTCCCGGGCC	GTGGCGCAGA	GTATTTAGC	ACATGGGGT	AAACCCACAA	AGTATTATG	
	17521	TCAGGTTCTT	GCCGCCAGTA	AACGGTATAC	TCCGTTACAT	TTAAGACGTA	TATCCGAACC	
	17581	ATCGAGTGTG	TCTGATCAGC	CGTATATTG	TTTTAATCGA	CTGGGATCTC	CAATAGGGAC	
	17641	AGGTATAGGG	AATTGGAAT	GTGTCTGTT	AACGGAAAT	TATTTATCTG	ACGACGTAAA	
55	17701	TGCAAGTTCG	CATGTAATT	ATACAGAAC	ACCGTAAAC	AGTATAGCAC	CCGATACAAA	
	17761	TAGACAGCGG	ACTTCTCGCG	TTTAGTTCG	TCCAGACACG	GGTTGGATG	TAACGTCCG	
	17821	AAAAAACAC	TGTCTGGACA	TAGGCCATAC	GGACGGTAGT	CCAGTGTGACC	CAACGTATCC	
	17881	TGATCATTAC	ACCCGGATAA	AGGCAGGATA	TGAAGGTCCG	GTTCGGGATG	AATCAAACAC	
	17941	AATGTTGAC	CAAAGATCGG	ATTACGTCA	CATAGAAACC	CAAGCATT	AAATGATCA	
	18001	CGTATATGAA	AATATACAC	CCAAGGAAGT	GGGTTTAAC	TCATCTTCAG	ACCTGGATGT	

	18061	GGATAGCCTT	AACGGGTACA	CCTCCGGAGA	CATGCATACA	GACGATGACT	TATCACCAGA
	18121	TTTTATAACCC	AACGACGTTTC	CCGTTAGATG	TAAAACCACG	GTACGTTTA	GGAAAAATAC
	18181	GCCTAAGAGT	CATCATTAAAG	TACAGCGGTT	AATAGATAGT	TATGGACTAG	GCACCTTGCG
5	18241	GGTCATTCC	ACAACCAGGT	AAAATTGGG	GGATTGGGA	GAAAATAGTC	TATTGCGTAT
	18301	TTTCTGTTCA	ATAATTGGAC	TGCGTTATTT	AAAGGCTGTA	TTGGTTGATT	GGGTTATAAA
	18361	AGGAATTACT	CCTTTAAATT	TTACTTAATG	TACCCACAAT	ATCAAGTGGT	CGTTTGTATT
	18421	TAACGATTAT	TACCGGTACC	ATGGGAGACT	TGTCTGTTG	GACAAAGGTG	CCGGGTTTTA
	18481	CGTTAACCGG	CGAACTTCAG	TACTTAAAAC	AAGTGGATGA	TATTTTAAGG	TATGGAGTTC
10	18541	GGAAACGCGA	TCGAACAGGA	ATCGGAACGT	TATCTTATT	TGGAATGCAA	GCTCGATACA
	18601	ATTTGCGAAA	TGAATTCCCT	CTTTTAACTA	CAAAGCGTGT	TTTTTGGAGG	GCCGTCGTGG
	18661	AAGAGTTGTT	ATGGTTTATC	CGCGGGTCAA	CCGATTCCA	AGAACTCGCC	GCTAAAGATA
	18721	TACACATATG	GGATATATAC	GGATCGAGCA	AATTCTAAA	TAGGAATGGC	TTCCATAAAA
	18781	GACACACGGG	GGACCTTGGC	CCCATTACG	GCTTCAGTG	GAGACATT	GGAGCGGAAT
15	18841	ATAAAAGACTG	TCAATCAAAC	TATTTACAGC	AAGGAATCGA	TCAGCTGCAA	ACTGTTATAG
	18901	ATACAATTAA	AACAAACCCA	GAAAGCCGAC	GAATGATTAT	ATCGTCTTGG	AATCCAAAGG
	18961	ATATCCCCTT	AATGGTACTA	CCTCCATGTC	ACACGTTATG	TCAGTTTAC	GTTGCAAACG
	19021	GTGAATTATC	CTGCCAAGTA	TACCAGAGAT	CGGGGGATAT	GGGCCTTGGG	GTACCGTTCA
	19081	ACATTGCTGG	ATATGCACCT	CTTACCTACA	TAGTAGCGCA	TGTTACAGGA	CTTAAACCG
20	19141	GAGATTAAAT	TCATACAATG	GGGGATGCAC	ATATTACTT	GAATCATATA	GATGCTTAA
	19201	AAGTGCAGCT	AGCTCGATCC	CCAAAACCTT	TTCTTGCCT	AAAAATTATT	CGAAATGTAA
	19261	CAGATATAAA	CGACTTTAAA	TGGGACGATT	TTCACTTGA	TGGATATAAT	CCACACCCCC
	19321	CCCTAAAAAT	GGAAATGGCT	CTTAAATGGG	TTTTTAAATG	TTGTCAGAAC	AGTAGATGTG
	19381	TTGCGAATGT	AATAAAATGA	TATACACAGA	CGCGTTGGT	TGGTTTCTGT	TTATGAACAG
25	19441	CAACGGATGC	ATAGGGTTGC	GATAACTGCG	ATAAGACCCA	ATGTCACCAAG	GATAGATATC
	19501	ACACCAATTAA	TAACGTCTAC	AACGGAAAAT	GTAGTGGCGT	AGGTAGATGC	ATCGTAGGTA
	19561	TAACCGGCG	AAAACGGAGG	GAATTTTTA	GGGTAACCAT	CTAGATGACA	CGAATAGGTG
	19621	ATAGGTCCGT	CGAGTTCCGA	TGTTGGACAA	GAACTTTGCA	TGTTACAAA	CCGTTTGTGTT
	19681	TGATCACACA	CCCCAGTAAAT	CTCACTGTTT	TCGTGTTAA	TGGGAGAAATC	GTAAACCCAC
30	19741	CATACGAAAT	GTACAACGCC	ACGTGGCACA	CATTTGCCG	TACATACTAT	GTGTCACATCA
	19801	ATAATACCTA	TAGACACGTT	GGGAAATGGA	TAGACGTCAG	GGGTAACGAC	AGCAGAATAT
	19861	TTCATATTAG	AGACGCCATC	CCGAATCCAT	AAAACATTAC	ATTGGATGGC	TGGGGGTGGG
	19921	TAATCCATT	GTTTTGCTG	TGGAATTCGT	ACCGCCGAAA	CATAACTAAA	TAATCCATTG
	19981	GCATATTCTT	GTATTGCATC	GGTTATAAAA	TTTTTCCGA	TGTTACAAA	CCTTGAAGTC
35	20041	CACCGAACAC	GTACCGAGTG	CGGTGGATAA	TACTTGATA	CGTTACAGTA	GGCTGCGTAT
	20101	GTCTGTCCGG	TTAAGACTGG	ATCGCCGACA	ACGGTAATAT	TTGGACGATA	ATACGTTGTA
	20161	ACTGTAATAC	TGTGTTCCGA	TATGACGTT	TTAGTTTTG	TATTAACGAC	TCGCCAAATA
	20221	TACGTTCCCT	CCGTTAGC	ATCCATAGAT	AAAATTGTTA	CAGAAAAATC	AGACGTTGTT
	20281	TTAACATCTG	GTATTACATA	ATTTCCTTA	CGGTGTGTA	ATATCTCAGG	GTTGTTTATT
40	20341	AAGTTAAAT	CGGCACTGTT	GCTATATAAC	ATAACCGGT	AATCTGGCAT	GCGTATTAAC
	20401	GCATTGCCCA	GTTGACGGTG	CGGATCTATA	AGGTGACGCG	AAAACAAAC	TTCAATATGA
	20461	AGATCGGGGC	GTATAAGCGA	CTTCCACCTT	GTTATATTG	AACCTTCCGG	ATCTAAAGAA
	20521	TATTGTTCAT	ATGTTTTTG	TTGCTGCTTA	AAGGCCGCCT	GTTGTCGGGT	CGTTAGACGC
	20581	ATGTAACAAG	GCATGATAAA	TGTGTAAAAA	TAGGGTATGG	ATTGTATTCC	GCCGTGAACG
45	20641	CATTGTATAT	TTTCATATAG	AAAAGGTGGT	TGTGAATGTT	GGGTGTTGGC	TGCGGGATCG
	20701	GGCTTCGGG	AAGCGGCCGA	GGTGGGCGCG	ACGGCGGGAT	CGGGCTTTCG	GGTAGCGGCC
	20761	GAGGTGGGCG	CGACGGCGGG	ATCGGGCTTT	CGGGAAGCGG	CCGAGGTGGG	CGCGACGGCG
	20821	GGATCGGGCT	TTCGGGTAGC	GGCCGAGGTG	GGCGCGACGG	CGGGATCGGG	CTTCGGGAA
	20881	GCGGCCGAGG	TGGCGCGAC	GGCGGGATCG	GGCTTCGGG	AAGCGGCCGA	GGTGGGCGCG
50	20941	ACGGCGGGAT	CGGGCTTCG	GGAAGCGGCC	GAGGTGGGCG	CGACGGCGGG	ATCGGGCTTT
	21001	CGGGTAGCGG	CGGAGGTATA	TAATTCACTT	ATACTTACGG	GTGTGGGTTG	AGATTCAGTC
	21061	GATAATTGTA	TACACGCGAT	CGTTAAATT	AAATTATT	GTATCCGCTT	CATCCTGGTT
	21121	TTTATTGACA	CATCCACGCT	CCCCTTAAT	AAAAGATTAA	ACACCCAC	GCGGAATTAA
	21181	AATGATGGAA	ACGTTTTT	CGACATTGGG	AATAATAAA	ACGGCTTTG	CAACTTAA
	21241	AACTTATT	ATCTCGATTA	CGATACATAT	GTACCACATA	GATAGCATAG	ATTATTATA
55	21301	ATATAAACAC	ACACGTGATA	TACTTAGTG	ATATGAGATG	CCATAAAACA	GTCAATAGGT
	21361	TTAACGCTTA	GTCTCATCAT	CTGAATACAC	GTCAAACCCG	CGCCTAAGTGT	TGATGTTAGA
	21421	ATTATAATAG	CTCCCCATGA	AATGCCGGCA	AATGTTACAG	CTATACCCGT	CACCGAGGTC
	21481	GTTGTATATA	ATACAATTAC	CCATAGGTTT	TTTTTTCTT	GATATAAAAC	GGCAAAACCC
	21541	TGTAACCCAA	ATGCTATAAT	ATGACCTCCT	ATTGAAACTG	CTAACGTTAC	TTGTGTAAGT

	21601	TTGATAAAAT	GATTTAATT	AATTATATGT	GAGATTGCC	ACATTAATGG	GGTAACTATA
	21661	TATAACACCG	GGGGTATAAC	AGACATTATA	CGAATTCC	TAAACACGCG	TTAACAGGTC
	21721	CGGGAACTTT	CTCGATGGTC	ACATACTCTC	CCGC	GGTCAT	TTTGTGTATA
	21781	AAACCTAAAT	CTGTATAAGT	GTAAATTGC	TTATGGCGAT	TTTACGATA	TATAACAGCA
5	21841	TCTTGC	AAAT	CGGC	ATCGACAATT	GAAACTAGTG	TGACAATAGA
	21901	CCAATAAGAA	CCTCATATT	ACTGACATAC	ATATATAAA	TAACGGTTAG	TAAACCTCCC
	21961	AAACCAGTTC	CCAACATCAT	AAACATAAAAA	TAAATATGCG	GTCCATTGAA	TGTCGTAACA
	22021	AAAGTTGTAGT	AATGGATATG	CACAGCAGCC	ACTG	TCCGG	TAATCGCGGA
	22081	CCCAGTAATT	CTACAAATGG	AAGATCCGG	GATATTGGC	AACCAACCGC	CCATAACACA
10	22141	GCAAAACCCA	ACACGACCAC	CGTCTGCAA	CATCGTCCC	ATTTTGCTAA	TGTGCGTAGA
	22201	AATTTCACGG	ATGTTGCCA	TAACCCCCGAA	ACGACGGATCA	ACCCCATAAT	AGTTGCATTG
	22261	ACGGCAGCTT	CGCAGACGTG	ATATTGTAAA	ATTAACCCGG	ACGTGATAAC	GCTTGCTTGT
	22321	AGTCCCACGA	GAAACAAACCG	CGATGCTGAG	GTTATTGCA	ACGAATTACA	TTCTTGAGGG
	22381	TTTCCGACAC	ATCCTTGGAT	TGATTGAGCG	CGGATTAA	CTCTGTCTAA	CACACCCAGG
15	22441	TTTTCATCAT	GGACAGCTCT	TTCACCATT	ACGGCCATGT	CTTAAGTTA	ATAATTCAAA
	22501	ACAAATAAAA	ATGTGTTCAT	CTATGGTACA	CACAAGTTG	TATGTAAAAT	ATAAGCAAA
	22561	GTTGCACTTA	TTTAACTGTA	CATATTACGT	CAGATTCA	TGATAATTCA	GAATAATCA
	22621	GGGTTCCCTGC	AGGGTCCACT	GGAGGAGCCA	CACAATATT	GCGAATTCCG	ATTCCCTCCT
	22681	GCCATGTGGT	TCGGGGAGT	TTCCCCCCC	TTTATTTC	GGTATT	TCGTTCTTT
20	22741	TTGTTAATAA	ATTGCGTCTT	TTTTTTAATG	GTGGTTCATC	CTTCACAGAT	TCCATGTTCG
	22801	CAAATAATTG	CATCGAGGTT	AATTTTCTT	TAAGGTCTT	GGGACTTAAG	AACGTTGCAT
	22861	AAAAAAAAGA	ATGCACGGGT	GCAGAACGTT	GGATATACAA	TCCAACCATG	GGGGAGTTAG
	22921	TTAAGGCAGAG	ATAAAAATT	ATATAACACG	TCTCATCCG	TGTTAACTTA	AGATTTGTA
	22981	CGGCAGAACG	GAATCCACTG	TGTGTTCCA	ATAATACTCC	AAATTCA	CGC ATACTCCC
25	23041	TGCCATAAAC	AACATTATTA	AGGATCCTT	TTGAATTG	GATTGAGCGT	ATTAAATTAT
	23101	ATGGGTGAGG	CTTGCTTCCG	TTTATATCCA	AGGAAACATT	AAATGAGATA	AAACCACCC
	23161	CGGGGGCTG	GATGTACATA	TCGGTGGCTG	TTAGAATGAA	GCATGTTGTA	AACCCAAAAG
	23221	TTTTAAGTAG	TCGCTGTAAA	CGGGTGAATT	GATCGCGTT	TAAGCAAATG	CTTATATCTG
	23281	GAGTTAGATT	TGGAAACATC	ATTGTATAAC	AAGCGAGTTC	ACGTTTTACA	ACTTGTGTT
30	23341	AACATTGTAC	TTGATCATCT	GGACCACAAT	CACCCGGCG	TTGCCATACC	ATCGTTTGA
	23401	TAATACTCCG	CTCGGGGGT	TGTCCGGTAA	ATTAAAATA	TAACCGTGT	GGGGTCGACG
	23461	GATCTTTGT	ATGGC	AAAC	CGCTCAATAA	GGCAGGACCG	TCCCTCCGTT
	23521	CAACCATTCT	CGGCCCA	CGTC	CAATTATACT	GGTC	AAACAT
	23581	ACAGTTGTT	TGTTTCCAAA	CTACAGTGA	TAATTAA	TTCGTCGCTG	AATATTAAA
35	23641	TAGAATCCCT	TAGTCTATT	ACCA	GAGGTG	ATATAGACGA	AATTAAACCA
	23701	TTTCCGTTAA	AACAGCTCTG	GGCAGTTCTG	GGGCGTCAA	ACCCGCATGC	AATTCCATGT
	23761	CCAAAGCATC	GTCTGTACGC	GACCTCAA	CCATAATT	CTACTTAA	TGTTTACTAT
	23821	AGAAAAAAGTA	ATCATATGTA	AAACACACGAG	TTTCGTTA	ATGTTTGT	AACCCGATCC
	23881	GGTGA	CTTAA	AGGCATGATA	TTTGAATAGT	ACGGCCCATG	GGAGGGAA
40	23941	TTTCCACGTG	TTCAATACA	GGGGGTGTT	CTTAATAGGG	ACTGTGCAAT	AAAATACGTA
	24001	AGAAGTTACC	AGATTGATG	TAATGTTG	CATAAAAAT	ATGTACATCA	TTATATACGT
	24061	CTGTAATTAA	CACAAGATCA	CATCGAAGAA	TTACTGAAGC	CGCTGTGAAA	CCTTCACAA
	24121	GACGATATAA	ACTGGTTAA	GTGTATTGAT	GGGGCTCTT	GGACTGACAC	GCTTTATC
	24181	TGAACATAAA	CTGGTTAAAC	CCAGCATCAT	TTCAACGCCA	CCCGGAGTT	TAACCCCCGT
45	24241	GGCGGTAGAC	GTATGGAACG	TCATGTACAC	ATTGTTGGAA	CGTTTATACC	CTGTTGGTAA
	24301	ACGCGAGAAT	TTACACGGAC	CATCTGTAA	GATACATTG	CTTGGAGTCT	TATTGCGCT
	24361	ATTAACACAA	CGGT	CATACT	ATCCGATATT	TGTATTGGAA	CGTTGTACAG
	24421	ATCACGTGGA	GCCAAGGCAA	TTATGTCACG	GGCCATGAA	CACGATGAAA	GGGGAAACCTC
	24481	GGACTTAA	CGTGTCTAC	TATCATCAA	CACATCATGT	TCTATCAAGT	ATAACAAAAC
50	24541	ATCGGAAACA	TATGACAGTG	TGTTTCGAAA	CTCTCCACG	AGTTGTATT	CTAGCGAAGA
	24601	AAACAAATCC	CAGGATATG	TTTGGACGG	TTGTCACGA	CAAAC	TGACGATC
	24661	CCTGCGC	GAAAACGTAT	GCAGTCTTAC	CTCTACATG	CCATCCCAG	GACATCCTAA
	24721	CCATCGATTA	TATCACAA	TGTGTGCAAG	TCTTATTAGA	TGGATGGGGT	ATGCATACGT
	24781	CGAGGC	GGTT	GACATTGAGG	CGGACGAGGC	ATGTGAAAC	TTATTCATA
55	24841	GGCTTGGTT	TATACGACAG	ATACTGATT	ACTCTCATG	GGCTGTGATA	TTTTGTTAGA
	24901	TGCAATT	CTC	AGTAGTACG	ATGTCGCGAT	TTGCTTCA	ATTTAGGAAT
	24961	TACATACCT	GA	TTTGG	TTGCTTGT	TCGCTGTCA	ACCGATTGCA
	25021	CAACCTAAA	TCTGTT	CAG	AAAGTTATTCA	GGATACCGGC	CTGAAAGTTC
	25081	GGACACTTCA	ACGCGCTCCC	CCACTTACGA	CTCGTGGAGA	CATGGCGAGG	TTTCAAAAG

	25141	TCTTACCGTA	GCCACGTCGG	GTAAAACAGA	AAACGGAGTG	TCCGTTCCA	AATATGCATC
	25201	TAACCGATCG	GAGGTGACAG	TAGACGCCAG	TTGGGCTTTA	AACCTTCTGC	CACCCCTCATC
	25261	CTCCCCATTG	GATAATTGCG	AACGCGCATT	TGTTGAACAT	ATAATGCCG	TGGTAACTCC
5	25321	ATTGACCCGC	GGTCGCCCTAA	AGTTAATGAA	ACGTGTAAAT	ATTATGCAA	ATACGGCAGA
	25381	CCCATATATG	GTTATTAAACA	CCTTATATCA	TAACTTAAAG	GGGGAAAAAA	TGGCTCGCCA
	25441	ATACGCACGT	ATTTTTAAAC	AGTTTATTCC	TACTCCACTC	CCACTAAACA	CTGTATTAAC
	25501	AAAATATTGG	AATTAAAACA	CACATAAGAG	CGACTTAATG	GTCATTGTT	TTATTTTGC
	25561	CGTATATACA	TGTTATAAAT	CGTTTATCAC	TGTGCCGCA	TAAGATGTAC	TGTGTCTCTC
10	25621	AAAAAAATT	GTGTTTTAT	CTGCAATCAT	AAATGCAAGT	GGAAAGTCCG	AATCGGGAGG
	25681	TGGGGTGT	AATAGTTTG	GTACATTAAT	CGCTGATAAA	AGCCTGTCCG	CGCTGAATT
	25741	CACGTATTGT	GTAATTGCAT	CGACGTTCAC	CAAACGGGTT	TTGGGTGCAT	GGGATTTAA
	25801	AAACGCACAC	TCGATTC	CGGCTTCCGA	AAACAGTTGA	TGTATTCTGG	TGATAGCGGG
	25861	TTTTCGGGT	ACATAGTTAT	TGTATATACA	ACACGATGCG	CTGGTATGTA	TGGCTTCATC
15	25921	TCGGCTTATA	AGGTCGTAA	ATTGACAAGT	TACAACAAAT	AGTCCGTTAT	TGCGTAAATA
	25981	TGCAATAGCC	GCGAACGATG	ATACAAAAAA	AATGCCCTCT	ATAAGAATCA	TTAGTATATA
	26041	TTTTCTGCA	ACGGATGGGT	TGTCCCGTAC	CTTTCTTCC	AACCATTGTA	CTTTTGTG
	26101	GATCGACGGA	TTATTAATAG	TGACATTTAC	GTATTGTACC	CGCAACGATT	CATCCCCTCT
	26161	GAACAAACATT	AGTTGAATT	GACTATAGAC	ACGCGCGTGG	ACAACCTCGA	TGCACTCTG
20	26221	TTCAATGTAG	TAATGGTGAA	TATCCTTTG	GGAAAAGAGT	TGGGTTAGAG	AGCCCAAATT
	26281	AACATTAC	AGATCATCTG	CCGCCGATAA	AAATGAAAAA	ATAAAATCTGT	AGAATATTAG
	26341	TTCATCTTCC	GTTAACACAGT	CCAAGTATTG	ATAATCATCT	TCAATGATAA	AATCGTTTC
	26401	TAACCAACGA	TCGAAATGC	TCAGGGCACG	TAAATTGTTT	ATATCTGGAC	ACTCCGGCCT
	26461	GTAAAAAAA	TGACTGCAAT	CTTCTGATC	CATTTGGAA	TAGTTTCCCG	TGTAATTAA
25	26521	TAAAGCACAA	CTGGTACAGG	TTAATTGCC	TCCCCGAAAC	AGTCCGCTGT	TCGTAGCTTT
	26581	ACGAATT	CACTAGTACA	TACCCGTTT	AAGGCCGGCT	TTATAGGCAC	GTATAAGCAA
	26641	ATTCAATT	TTGGAGGC	GAATTGTC	GTCTGGCGT	TCCTCAATAA	ATAAAAGTCAT
	26701	TGATTGACTT	TGGTCAATAA	ATGGCGCCCT	TTCTGCACAC	ATATCAACGA	GATCCTCTG
	26761	CTCATATTCA	AACGCTGTT	TATATTAA	GAGTGGTGA	CTATTAGATA	AACAGCCAAA
30	26821	CGAACGTATT	ACTGACCATT	GGTTTTCTC	AAGTATGTTT	ATAACTCCA	GTCGTTTTTC
	26881	TTCACATGAA	TACATATCTC	TTAGTTCGTC	CATAAGGTCT	AAGTGGGTC	TAAGTAAC
	26941	ACCCGAGGTG	GTGACCTAC	TAACATATT	ATTATAAAATT	GGAGAGAAAC	CCTCACTGCA
	27001	CTCCGTTACC	TGTGCAGATG	AAACTGTGGG	CATTAACGCT	AAGAACTGCG	AGTTGTATAA
	27061	CCCATAAGCG	CAAATATCAT	CTCGCAGGGT	ACACCATGGT	AAATCTAAAT	AACTTATCGT
35	27121	AGAAAACCA	TCTTGGTGT	ACCATCCCTT	AGCATATTAA	CTTTCGGTAA	AACCCTTAA
	27181	CGGGGCTAAG	CCGCCAATCT	TACACATTTC	CATGCTTGT	TTCAATTGCT	CATACAACAT
	27241	TAACCTCGCT	ATTGTACAT	TTAACCGTCT	AGCTGGTGG	GAAGTAAAT	CAAACCTAA
	27301	GCGGAGACAA	GTTGTATGT	ACCCCTGTAT	GCCAATGCCA	AGTGTATCGG	TGTTTTTAC
	27361	ACCTTACAT	GATTTTTAC	ATGGAAAGTT	CCCAGCCGCC	AGGACCCCGT	TTAAAAAAAT
40	27421	AACAGTCGT	CTTGCTGTCA	ATTGAAGGTC	GTTAAATTAA	AATGACACTG	GGCCTTTGGA
	27481	TAAGCACGTT	GTAAGATTA	TGCTGGCAAG	ATTACATACG	CCATGTTGAT	GAGCGTCTGC
	27541	CTTTGAACA	ATTTCCGTAC	ACAAATTGA	CCCCGTGATA	GCATTTCCCT	GGGTATTCTAT
	27601	ATGATAATT	CGATTACAGG	CATCTTTGAA	CATTAAAAAG	GGGCTTCCTG	TTACAGCAGC
	27661	ACTGCGTATG	ATTGTGAATG	CGATATCTG	AATGGGAACA	GAAGAAACGC	CTAACCTTC
45	27721	TCTCTCTAA	CGTAAATAGG	TTGAAGTGA	TGCCTCCCCG	TGTAATGTC	GAAGGATATC
	27781	GGCTCTGTT	TCAAAAGAG	TCCACTGAAC	ATTACTAGCC	CCTTTAGAT	AGCTTAGGTA
	27841	TCTTCAAA	AATAAATCTG	GGGTCCTAA	ACAACAAAAT	ATGTTATCAC	ATCGAAATAT
	27901	TTCATCACGA	ACCAACATTC	CACGTGTGGC	CAAACAGTT	TGTAGATCGA	CGTGCCTGG
	27961	TTCTATGTAA	ACACAAACTC	CAGTTGGTCG	TTCACATCA	CTGTTAATG	CCATAACCAT
50	28021	GCAATCTAA	AGTTTAA	CTGCAAGAAG	ACCTTCGTT	TGATTTCTCG	TAGGTATTAA
	28081	ATTCAGACTC	TGTAGAGAAA	TTCCCACTCC	ACCTCGACTT	TGTAATACCG	TTCCACATC
	28141	GCCTGTGATA	GCTCGAACAG	CTCTCCCAAC	AGTGTGGAT	TCCGGGTCCA	TTAAATAACA
	28201	ACTGGCCGTT	GCCCCGGTCT	CTCGACCTAA	AAACATCATA	ACCGGGTGTAG	CCGGGACAAT
	28261	TTTCTGACAT	GCCAACGCTG	TGAAAATAC	CCGACAGACA	TCAGTCCATG	TATAACCATC
55	28321	ATTTATTCCG	GGAAATAAGAG	TTGCGATTTT	AGGCAGGTTT	ACGATTTCTG	TTGTCACGGT
	28381	GGCGGCCAGT	CTTAAAAGA	ATTGGCAAAG	CGACTCTAAT	TTACCTTCCT	CTAACTTAGT
	28441	TAAATAAAAG	TCTTCGTA	TTAAAGCAGA	CTGTAGTCCA	AGGGTAGCTA	AAGCGGGGTA
	28501	TTGATCTTC	AAAAACGGTT	CTAATATAGC	CCGACGAATT	TGTCCTCTCC	GCCCTTCAAT
	28561	TGCTTGGCGG	ACTCGGGAG	TTAAACAGAG	AATTGGGAA	GTCAACCACG	TTTCCATGGA
	28621	AACGGATCGT	AGGTTAACAC	GGCAATGGAT	AAGTTCTCCA	CAACATCGGT	ACACTCGCTC

	28681	ATCTTGTGCG	GTCACCGCCT	TAAGTTTGA	GACGATAGTG	CTAATATACT	CCATTAATTC
	28741	CACCGGTGTG	GTTGATTCGG	GCGGAATGAT	GTATTCCTTG	TAGCCATGTT	GACATAATCG
5	28801	GTTTATAATG	TCATGAACCG	TATTAAAAAT	TCTTTGAAC	TCCATAACGG	ATAACGTATT
	28861	TAGGCCTCCGG	AATAAACCTT	TAACACCCTAA	ACTCACAGCT	GAGTTAGTTC	TACAATATTG
	28921	TAGACTCCCT	TATATATGGT	TACGTACAGC	CTGCCCTCC	CCAGTATATA	ATATCACGCA
	28981	AAACCCACGC	TATGTTAAAT	TCAGTTTATT	TTACATACAT	GCTTTAATAA	TAACATTGCGT
10	29041	TCCATGTATT	TGTACCCCCC	CACACAACCC	CCTCTAACCA	AATAGTTGGC	ACGTTATAAC
	29101	CTCCGAACCG	TTCCATGCGT	CTTGTATAAC	GCACAGACTC	TGATGGAATT	GTTCCAATTA
	29161	ACGTATATGC	CGCATAACATG	CAGGATAATT	GTGTGGGAAG	TCCCCGAAAA	TCGCCGGTCC
	29221	ATTGATAACAA	TCGCTGTCTA	GCCAAGTTCC	AATTTACTCC	TGTAATTTCG	CCAATACTAC
15	29281	ATCGAGGGCT	TGTCGGGTCA	TTGGATAACT	GCACAAGCGG	CAACGCCCTT	GTGTTATATG
	29341	GCTGGTGGGT	ATTTGCAACC	CCTTCAGTCC	CCCAGGCGGC	ATTTTCAGCT	CGTATGCGTC
	29401	CTAACAGGAA	GCCAATACCA	CGACCAAAAC	ATTGTTCGTT	TAGTTGGCTT	AATGCAAGAT
	29461	GCAGTCTTAC	ACCTTCTCGT	TGGCGTCGCT	GTGTATATAC	AAAAACCAAG	AACACATGCT
20	29521	TCAGTCCGTC	CGCGGAAAGA	TGTAATCTT	TGTCAACGTC	CCAAAATACG	CAGGCCGGGA
	29581	TGTTGGCTGT	GACCCTGCGA	GTTGAAGTTT	TGTCTGTACG	TGCAGCTTCT	TGGGGACCTT
	29641	TGGCCACGGC	GGTTATATTG	CATAAATTAT	CCTGAATGGT	ATATTCCAGC	AGGGACCCAA
	29701	AAAAACTTAT	AAATCGATGT	GGAAATACAT	GACATTGTAC	CATCGCACGT	AAACACTCCG
25	29761	AAAACCTTAT	GAGCCGCGTT	TCCATACGAC	TGCATCCATA	GGCAGAAACA	ATTGCTGTC
	29821	TGTTGGCATC	CGCTGCCGTG	TTATCCGTAT	ATTCTCTGTC	CCGGCATGCG	GCGATGAAAC
	29881	TTAATGACGT	TACATATGCT	CTAAGCCCCC	CACCTCTCC	AACGGTCCAA	GGAGCCGTGC
	29941	AGGCATTGAA	TAGGTTTCGT	AAACCCCTCA	GTAGTACATC	GGGGTCACGT	CCAGCCTGTG
30	30001	TAAGTGTATT	AGCTTCTCCA	ATCATGTCAG	ATGGATGACG	AAGGATTAAAG	ACGATTGACC
	30061	CAGCATGCTC	AATGTCCGGA	CGAAAAAAAT	CGGTTAATGA	CACTTGTIGG	ATTAGCTGTC
	30121	TCGTTGATTT	AAAATTATTT	AACGGGAGTC	TAATGTAAC	TTGCGGGTTA	CCAATTGAAAG
	30181	TTGGATTTAT	TTGAATGTTG	TTCATACGAT	TAATAACAAT	TGAACGGGGG	GTTACTTGA
	30241	TAGACCGGGT	TTCTGTACGT	TTTGGTGGTA	CATGTATCGG	TTGTTTGTTC	AGACCTCCAA
	30301	AGCGAGGGCC	AATTGTTAAA	TCGCGACTCC	AATTTCCGAA	GAAGCCCGGA	GCATAAGTCA
	30361	TATGAAGCCC	GTTCCCTATT	TGAATAAAAC	GGTTATTTCC	AAAAAGACTG	ATATTAGTTC
35	30421	CACATAGCGT	TTGTTCGTTT	AAAGTAAAAT	GCGAGTTGGT	TGGTTGACTC	CCCATAGCTG
	30481	AGGGGTTAAA	TTCACACAAAT	GCAATCGTGA	CGTGGTACTA	TCTGAAATGT	TGCCTGGGGT
	30541	ATGTGTACAC	ATTATACAGT	CGTAGTACCG	TTTATATAAT	GTTAGGTAGG	AGGAGCCTAT
	30601	AAAAATATTT	TGATTGGCGT	TAAGAGGTT	TTCAACTTAC	CGTGACGTCC	TTTTTATTAA
	30661	CATCGTTTT	TATTGATGTT	ACATTTATGT	CTTTTCATTTC	CGGACGGATG	TAGCTTTTTC
40	30721	ATATCACGTT	ATAAAGTAA	GTCAGCGTAG	AATATACCAT	GGAAGAACCA	ATTGTTATG
	30781	ATACACAAAA	ACTTTTGAT	GATTTAAGTA	ACTTGAAGT	ACAAGAACCG	GACAACGAA
	30841	GACCATGGTC	ACCAAGAGAAA	ACAGAAATCG	CCAGAGTTAA	GGTAGTTAAG	TTTTTACGAT
	30901	CTACCCAGAA	AATTCCAGCT	AAACATTITA	TTCAAGATATG	GGAACCCCTG	CATTCTAATA
	30961	TCTGTTTGT	ATATTCCAAT	ACATTTTG	CGGAGGCTGC	TTTCACGGCC	GAAAATTAC
45	31021	CCGGACTGTT	GTTCGGAGA	CTAGATCTAG	ACTGGACGAT	AGAGGAGCCA	GGTAATAGCT
	31081	AAAAAAATTT	AAACCCAGCTA	TCAAGTGTAG	TACAAGATT	CGAGACGTTA	CATCGTTAT
	31141	CGGCCAATAA	ATTACGAACC	TCGTCTAAAT	TTGGACCCGT	TTCGATACAC	TTCATTATAA
	31201	CGGACTGGAT	AAATATGTAC	GAGGTGCGCT	TAAAGGATGC	ACAACAGCC	ATTGAATCAC
	31261	CATTCACTCA	CGCTCGTATT	GGAAATGTTG	AAAGGCCAT	TGCAGCTT	ACACAACATA
	31321	AATTTCGAT	CATTTACGAT	ATGCCATTG	TTCAAGAGGG	GATTCTGTT	TTAACACAAAT
	31381	ATGCAGGATG	GCTTCTTCCG	TTTAATGTTA	TGTGGAATCA	GATTCAAAAT	AGCTCACTCA
	31441	CTCCTCTAAC	ACGAGCCCTT	TTTATAATCT	GTATGATTGA	TGAATATCTC	ACGGAAACGC
	31501	CAGTACATAG	CATATCAGAA	TTATTTGCA	ATACTGTAA	TTAATTAAA	GATGAGGCGT
	31561	TCGTATCCAT	CGAAGAACG	GTAACGAATC	CACGAACGGT	GCACGAGTCA	CGAACCTTCT
50	31621	CAGCTCTGGC	TTATCGAGAC	CCTTATGTTT	TTGAGACATC	CCCGGGAAATG	CTTGCTAGGA
	31681	GACTTAGATT	AGACAATGGT	ATATGGAAA	GCAACCTCTT	ATCGTTGTCC	ACCCCCGGAA
	31741	TTCATATTGA	GGCGCTGTTA	CATTTACTAA	ACTCCGACCC	GGAAGCGGAA	ACCACATCTG
	31801	GAAGTAATGT	AGCAGAACAC	ACCCGTGGCA	TTTGGAAAAA	GGTTCAAGGCT	AGTACATCGC
	31861	CTAGTATGTT	AATAAGCACC	CTTGCCTGAAT	CCGGGTTAC	AAGATTTCA	TGCAAATTGC
55	31921	TACGTCGGTT	TATTGCTCAC	CACACACTCG	CCGGTTTAT	TCACGGAAGC	GTTGTAGCAG
	31981	ACGAGCATAT	TACAGATTC	CAACAAACAC	TAGGATGTCT	CGCTTTAGTG	GGTGGACTGG
	32041	CATACCAATT	AGTGGAAACG	TACGCTCTA	CTACCGAGTA	TGTGTTAAC	TATACACGGA
	32101	CAGTAAACGA	GACCGAAAAA	CGGTATGAA	CGCTATTACC	CGCCTTAGGA	TTACCAACCGG
	32161	GAGGCCTGGG	ACAAATTATG	CGGCCTGTT	TTGCTCCACG	ACCCCTTATT	GAAAGTATAAC

	32221	AAGCGACACG	CGTAATACTA	CTTAATGAAA	TTTCACATGC	AGAAGCT <del>Z</del> AGA	GAGACAACAT
	32281	ATTTTAAGCA	AACACATAAT	CAATCCTCAG	GTGCGTTATT	ACCACAA <del>G</del> CA	GGACAAAGTG
5	32341	CCGTACGCGA	AGCCGTACTA	ACCTGGTTTG	ACCTACGTAT	GGATTCA <del>Z</del> AGA	TGGGGTATTA
	32401	CTCCCCCGGT	GGATGTGGGT	ATGACACCTC	CTATTGTGT	TGATCCA <del>C</del> CG	GCTACAGGGT
	32461	TGGAAGCTGT	CATGATAACA	GAAGCACTAA	AGATTGCATA	TCCTAC <del>C</del> GAA	TATAATCGCT
	32521	CTAGCGTGT	TGTGGAACCG	TCGTTTGTGC	CTTATATTAT	TGCAACA <del>Z</del> AGC	ACGCTTGATG
10	32581	CCCTTCGGC	AACAATAGCT	TTGTCTTTTG	ATACACGGGG	AATACAG <del>C</del> AA	GCCTTGTCTA
	32641	TTCTTCAGTG	GGCTCGCGAT	TATGGATCCG	GAACCGTGCC	CAATGCA <del>C</del> GAT	GGATATCGCA
	32701	CAAAACTATC	TGCTCTTATA	ACAATATTAG	AACCTTTAC	CCGTACA <del>C</del> AC	CCCCCAGTAC
15	32761	TTTTACCATC	TCACGTTTCT	ACTATAGATT	CCCTTATATG	CGAACCT <del>C</del> AT	CGGACTGTTG
	32821	GCATTGCCGT	TGACCTGCTT	CCCCAGCACG	TCCGTCCTT	GGTTCT <del>C</del> GAC	CGTCCTCTA
	32881	TTACAAATAG	CGTTTTTTA	GCAACTCTCT	ATTATGATGA	ACTTTAC <del>C</del> GGT	CGTTGGACCC
	32941	GAETGGATAA	AACATCGCAG	CGCGTGGTTG	AAAATTTAC	ATCCAAC <del>C</del> GCG	TTAGTGGTTT
20	33001	CTCGGTACAT	GTAAATGTTA	CAAAAAATT	TTGCGTGTG	TTTTTAT <del>C</del> CA	ACGCCAGATC
	33061	TTCAGGCTGT	TGGTATCTGT	AACCCAAAGG	TTGAACGCGA	TGAACAA <del>T</del> TT	GGGGTATGGC
	33121	GTTTAAACGA	TCTTGCTGAT	CGCGTTGGTC	ATATTGTTG	GACAATA <del>C</del> AA	GGAATCCGAA
	33181	CGCAAATGAG	AGTGGGAATA	TCCAGCCTGC	GCACAATTAT	GGCCGAT <del>C</del> GCT	TCCTCAGCCC
25	33241	TTAGGGAAATG	TGAAAATT	ATGACTAAAA	CCTCCACTTC	TGCTATT <del>C</del> GGG	CCTCTTTTT
	33301	CAACGATGGC	TTCCCGGTAT	GCACGGTTTA	CACAGGATCA	AATGGAC <del>C</del> ATT	TTAATGCGTG
	33361	TTGACAAACT	AACAAACAGGA	GAAAATATAC	CCGGTCTTGC	AAATGTA <del>C</del> GAG	ATTTTTTAA
	33421	ATAGGTGGGA	ACGAATAGCA	ACAGCTTGT	GGCATGCCAC	GGCAGTC <del>C</del> CG	TCGGCCGAAT
	33481	CTATTGCAAC	CGTGTGTAAT	GAATTGAGGC	GCGGTTAAA	AAATATA <del>C</del> AA	GAGGATCGTG
	33541	TAAATGCC	AACCTCATAT	ATGAGTCACG	CCCGAAATCT	GGAAGAT <del>C</del> AC	AAGGCAGCAG
30	33601	TTTCATTGCGT	TATGGACTCC	AGGCAACAGT	TTATTGTTG	TTCTGGA <del>C</del> CT	CAGATGGCG
	33661	CGGTTTTAAC	TTCACAAATGT	AATATAGGAA	CATGGGAGAA	TGTAAAT <del>C</del> CA	ACGTTTTTAC
	33721	ATGATAATGT	AAAATAACG	ACAACGGTCA	GAGACGTAAT	TTCAGAG <del>C</del> GCT	CCGACGCTGA
	33781	TAATAGGACA	AAAGATGGCTT	CGTCAGATG	AGATTTTATC	TAATGTA <del>C</del> GAT	TTGCGTCTTG
	33841	GCGTACCCGG	GAATACAAGT	GGGAGTGACC	CTTAATATAA	AACAGGC <del>C</del> GTG	TTTATGTACA
35	33901	TTAAAGTATT	TGTGGTTTT	ATTGACTGGG	CGTTTCGTT	GTATAAC <del>C</del> GCT	GTGTTGCTA
	33961	GTATTTTCAT	AACCTCCTAG	GTGTTTGGAG	CTACACGTG	TTATTCA <del>C</del> ACG	CTCTTGGGA
	34021	TTTGAATCAT	CGTAAACGTA	GCGTCCCTAC	CAGTTGAGCG	CGTAATT <del>T</del> TC	GTAAGCAATA
	34081	AAATGGATAT	AATTCCGCT	ATAGCTGTCA	CTGTTGCGGG	AGTGGGA <del>C</del> AGC	CGTAATCAAT
	34141	TTGACGGTGC	CCTGGGACCG	GCGTCAGGTC	TGTCATGTT	AAGAACAA <del>T</del> CT	TTATCGTTT
	34201	TGCATATGAC	ATATGCGCAT	GGAATTAAATG	CAACCCGTG	ATCAGAC <del>C</del> ATG	ATTGATGGAT
40	34261	GTTTACAAGA	GGGTGCAGCA	TGGACTACGG	ATCTGTCTAA	TATGGGG <del>C</del> AGG	GGTGTCCCAG
	34321	ATATGTGTG	TCTTGTGAT	CTCCCCAATC	GAATTTCATA	TATTAAA <del>C</del> TG	GGGGACACTA
	34381	CCAGTACGTG	CTGCGTTTG	TCTAGAAATAT	ACGGCGATAG	CCATT <del>T</del> TTT	ACCGTTCCAG
	34441	ACGAGGGTTT	TATGTGCACA	CAAATTCCCG	CTAGAGCGT	TTTCGAT <del>C</del> GAT	GTGTTGGATGG
45	34501	GACGTGAAGA	GTCGTATACA	ATTATAACTG	TAGACTCAAC	GGGAATG <del>C</del> CC	ATCTATCGTC
	34561	AGGGAAACAT	ATCTTTTATT	TTTGATCCAC	ATGGCCATGG	GACTATA <del>C</del> GA	CAGGCTGTAG
	34621	TTGTTGGGT	GAATACCACG	GATGTGTACT	CTTATATCG	ATCGGAG <del>C</del> TAT	ACCCACCGCC
	34681	CCGATAACGT	AGAATCCCAA	TGGGCCGCTG	CATTAGTTT	TTTTGTC <del>C</del> ACC	GCAAACGACG
	34741	GTCCCGTAAG	CGAAGAACGCG	CTATCTTCGG	CAGTAACGCT	TATATAC <del>C</del> GA	AGCTGTGATA
50	34801	CATATTTCAC	AGATGAACAA	TATTGCGAAA	AACTGGTTAC	AGCTCAAC <del>C</del> AT	CCGTTGCTTC
	34861	TTTCACCTCC	TAATTCCACG	ACAATTGTG	TTAATAAATC	GTCTATA <del>C</del> GA	CCTCTTCACC
	34921	AAAACGTTGG	TGAAAGTGT	TCCTTGGAG	CAACCCCTACA	TTCAACG <del>C</del> TTA	ACCAACACGG
	34981	TTGCACTGGA	CCCTAGATGT	AGTTACAGCG	AGGTTGATCC	TTGGCAT <del>C</del> GCG	GTTCTAGAAA
	35041	CAACCTCGAC	TGGGTCTGGC	GTGTTGGATT	GTCGTCGTAG	ACGCCG <del>C</del> CCT	TCATGGACTC
	35101	CTCCTTCAAG	CGAGGAAAAT	TTAGCTTGT	TCGACGATGG	CTTGGTAA <del>C</del> AT	AATACACATT
55	35161	CCACGGATAA	TTTACATAAA	CCCGCTAAAA	AGGTTCTCAA	ATTAAA <del>C</del> CA	ACTGTAGACG
	35221	TGCCGGATAA	AACACAAGTG	GCACATGTAT	TACCCCGCCT	ACGGAGAA <del>C</del> TT	GCTAACACCC
	35281	CAGACGTTGT	GTTAAATGT	TCCAATGTAG	ATACGCTGA	ATCCAG <del>C</del> CCC	ACTTTTTAC
	35341	GGAACATGAA	TGTAGGAAGC	AGTTGAAAG	ATCGGAAGCC	ATTCTCA <del>T</del> TTT	GAACAGAGTG
	35401	GTGATGTCAA	CATGGTTGTC	GAAAATAC	TACAACATGG	GCATGAA <del>C</del> ATT	AGCAATGGAT
	35461	ACGTACAAAA	TGCGGTGGGT	ACGTTGGATA	CTGTTATTAC	CGGTCAAC <del>C</del> AC	AATGTTCCCA
	35521	TTTGGGTAAC	AAGGCCCTG	GTTATGCCAG	ACGAAAAGGA	TCCATTG <del>C</del> GAG	CTTTTTATTA
	35581	ACCTCACCAT	TTTGCCTTTA	ACGGGATTG	TGGTGGAAA	TGGAACAC <del>C</del> CGT	ACACATCATG
	35641	GTGCTACAAG	CGTTGTATCA	GACTTTATAG	GTCCCCTG	GGAAATT <del>T</del> TA	ACAGGATTTC
	35701	CCTCCGCCGC	GGAACATTATA	CGCGTTACAA	GTGATATT	AACAAAC <del>C</del> ATG	CCGGGGGC

	35761	AATATGCTAT	TAAAAGTGT	CTCCGGAAAA	AATGTACAAT	TGGCATGCTC	ATTATCGCTA
	35821	AGTTGGTCT	AGTTGCCATG	CGGGGTCAGG	ATACAACCGG	CGCTTTACAT	GCCGAACCTAG
	35881	ATGTGTTAGA	AGCGGATCTA	GGAGGTTCGT	CGCCCATA	CCTCTATTCT	AGACTGTCGA
5	35941	CAGGTCTTAT	AAGTATACTA	AATTGCGCTA	TTATTCTCA	TCCC GGACTT	TTTGC CGAGC
	36001	TTATTCCAAC	CCGTACAGGG	TCCCTGTCTG	AACGAATACG	TCTTCTTGT	GAATTAGTCT
	36061	CGGCCCGGG	GACACGCTAT	ATGCGTGAAC	ACACCGCGCT	TGTTTCTAGT	GTAAAGGCTT
	36121	TAGAGAACATG	ATTACGGTCT	ACCCGCAATA	AAATTGATGC	CATTCAAATA	CCAGAACGTC
10	36181	CCCAGGAACC	CCCGGAAGAA	ACCGACATTC	CACCCGAAGA	GTAAATTCGG	CGTGTATATG
	36241	AGATACGATC	CGAAGTTACA	ATGCTATTGA	CCTCGGCTGT	TACAGAATAC	TTCACCCGCG
	36301	GAGTGTTATA	TAGCACACGG	GCCTTGATCC	CTGAACAATC	CCCTAGGC	TTTCGGGTCG
	36361	CGACCGCAAG	TACGGCACCC	ATTCAACGGC	TTTTAGATT	TCTTCCGGAA	TTCGACGCTA
15	36421	AATTAAACGGC	AATCATATCG	TCCCTGTCTA	TACACCCCTC	TCCTGAGACT	ATACAAAATC
	36481	TCCCCGTCGT	ATCTCTGTTA	AAAGAGCTTA	TTAAAGAAGG	GGAAGATT	AACACAGACA
	36541	CGGCTCTCGT	ATCGTGGTTA	TCTGTAGTCG	GGGAAGCTCA	AACCGCAGGT	TACTTATCCA
	36601	GACGAGAGTT	CGATGAATTA	TCACGTACAA	TTAAAACCAT	TAATACACGC	GCAACGCAAC
	36661	GGGCTTCCGC	GGAAAGCAGAG	TTGTCTTGCT	TTAATACGCT	AAGCGCGGCC	GTAGACCAAG
	36721	CCGTAAGGA	CTATGAAACA	TATAACAATG	GTGAGGTCAA	GTATCCTGAA	ATAACACGGG
	36781	ATGATTTATT	AGCAACAAATT	GTACGTGCTA	CAGACGATT	GGTGCACAG	ATAAAAATT
20	36841	TAAGTGATCC	AATGATCCAA	TCCGGTTTAC	AACCTTCGAT	TTAAAGACGA	TTGAAACAA
	36901	GGCTTAAAGA	GGTTCAGACG	TATGCAAACG	AGGCCGAAAC	CACACAGGAC	ACAATAAAGA
	36961	GTCGAAACAC	GGCGGCATAT	AATAAACTCG	GGGGGTTACT	TCGCCCGGTA	ACCGGTTTG
	37021	TGGGACTTAG	GGCTGCAGTA	GATTTATTAC	CGGAACCTGC	TTCTGAGTTA	GATGTCAAG
	37081	GAGCCCTGGT	AAATCTCAGG	ACCAAAGTCT	TAGAGGCGCC	GGTAGAGATC	CGTTCTCAAC
25	37141	TTACGGGTGA	TTTCTGGCG	TTATTTAAC	AATATCGAGA	CATTTTAGAA	CATCCCGGAA
	37201	ACGCACGCAC	ATCTGTCTTA	GGAGGACTGG	GAGCTGTTT	TACAGCTATT	ATCGAAATTG
	37261	TGCCGATACC	TACGGAGTAT	AGACCACAT	TGCTTGC	TTTTGGTGAC	GTGGCAGATG
	37321	TGCTTGCATC	CGACATCGCG	ACCGTATCTA	CTAACCCGGA	AAAGTGA	GCCATAAACG
	37381	CTGTTGTTGC	AACTCTTAGT	AAAGCGACGT	TAGTTTCATC	TACAGTGC	GCCTTATCCT
30	37441	TTGTGTTGTC	GTATATATAA	AAATATCAGG	CTTACAACA	AGAAATTACG	AATACCCATA
	37501	AGTTGACTGA	ATTACAAAAA	CAACTTGGAG	ATGACTTCTC	CACCCTAGCT	GTCTCATCTG
	37561	GACACTTGAA	GTTTATATCA	TCTTCAAATG	TAGATGATTA	TGAAATAAAC	GATGCGATAT
	37621	TATCAATACA	AACAAATGTG	CACGCCCTAA	TGGATACGGT	AAACTTGTT	GAAGTTGAAC
	37681	TGCAAAAGCT	ACCCCCCAT	TGTATTGCTG	GGACATCTAC	CTTATCTCGA	GTAGTAAAGG
35	37741	ATCTTCATAA	ACTCGTCACA	ATGGCACATG	AGAAGAAGGA	ACAGGCAAA	GTGTTAATTA
	37801	CCGATTGTGA	ACGTGCACAT	AAACAAACAA	CGACTGGGT	TTTGTATGAG	CGTTGGACAC
	37861	GTGATATTAT	ACCATGTCG	GAGGCAATGG	AAACGCGCCA	TATATTTAAC	GGGACAGAAC
	37921	TGGCACGGT	GCGAGATATG	GGCGCTGCG	GGGGGTTGA	TATACACGCA	GTTCACCCAC
	37981	AAGCACGTCA	GGTTGTAGCG	GCATGTGAAA	CTACAGCCGT	TACGGCATT	GATACTGTGT
40	38041	TTCGCCACAA	TCCATATACC	CCCGAAAATA	CAAATATTCC	ACCACCTTG	GCTTTGTTAA
	38101	GAGGGTTAAC	ATGGTTGAT	GATTTTCGA	TTACGGCTCC	CGTATTCA	GTTATGTTTC
	38161	CAGGTGTTAG	TATTGAGGGA	CTCCTTCTG	TTATGCGTAT	TCGCGCGGTT	GTGTTATTAT
	38221	CCGCCGATAC	GTCTATTAAT	GGAATACCTA	ACTACCGAGA	TATGATATT	CGAACCTCGG
	38281	GGGATCTATT	ACAAATACCC	GCATTGGCTG	GGTATGTTGA	TTTTTACACA	CGGTCTTATG
45	38341	ATCAGTTAT	AACCGAAAGT	GTAACTGTTA	GTGAACTTAG	AGCAGACATC	AGACAGGCTG
	38401	CCGGGGCTAA	ACTTACAGAA	GCAAATAAGG	CTTGGAGGA	AGTAAC	CAT GTTCGGGCAC
	38461	ACGAAACGGC	TAAACTTGCA	CTTAAAGAAG	GTGTCTCAT	TACATTACCA	AGCGAAGGTT
	38521	TATTGATTG	GGCTATAGAG	TATTTTACAA	CTTCGATCA	AAACAGATT	ATAGGAACGG
	38581	CATATGAAAG	AGTTTACAA	ACAATGGTAG	ACCGCGATCT	AAAGGAGGCC	AAACCGAGAGC
50	38641	TTGCACAGT	TCGTATGGTG	TGTCAGGCAA	CAAAGAACCG	TGCAATACAA	ATTTTACAAA
	38701	ACATTGTTGA	TACGGCCAAT	GCCACTGAGC	AACAAGAAGA	CGTGGATTTC	ACTAACCTGA
	38761	AGACGTTATT	AAAACAAACC	CCCCCTCCCA	AAACAAATTG	ATTGGCCATT	GATAGATCTA
	38821	CTTCGTTCA	GGACATTGTC	ACCGAGTTTG	CATTGCTGTT	AGGGCGCTG	GAAGAAGAAA
	38881	CTGGTACGTT	GGACATTTCAG	GGGGTTGACT	GGATGTACCA	AGCTCGCAAT	ATTATTGACT
55	38941	CCCATCCACT	AAGTGTGCGT	ATAGACGTTA	CCGGCCCCCT	GCATACTTAT	AAAGATAGGG
	39001	TGGATAAAACT	TTATGCGTTA	CGAACTAAAT	TAGATCTCCT	ACGACGACGA	ATAGAAACCG
	39061	GTGAGGTTAC	GTGGGACGAT	GCATGGACAA	CATTAAAAG	AGAAACGGGG	GATATGTTGG
	39121	CATCGGGGG	CACGTACGCT	ACTTCCGTAG	ATAGTATAAA	GGCACTCCAG	GCATCGCGT
	39181	CTGTGGTTGA	CATGCTTGT	TCCGAACCCG	AATTTTTTT	ATTGCCTGTG	GAAACGAAAA
	39241	ACCGTCTCCA	AAAAAAGCAA	CAGGAACGTA	AAACGGCGTT	GGATGTTGTG	TTGCAAAAC

	39301	AAAGACAGTT	TGAAGAGACC	GCGTCTCGCT	TACGAGCTTT	AATTGAACGT	ATTCCAACGG
	39361	AGAGTGACCA	TGACGTTCTT	CGTATGTTAT	TACGTGATTT	CGATCAATT	ACACATTTGC
5	39421	CTATATGGAT	AAAAACACAG	TATATGACAT	TTCGAAATT	ACTCATGGTA	CGGTTAGGCT
	39481	TGTATGCAAG	TTATGCTGAG	ATTTTTCCAC	CCGCGTCTCC	AAACGGAGTA	TTTGCTCCTA
	39541	TTCCCGCCAT	GTCGGGTGTA	TGTCTAGAAC	ACCAATCCCC	ATGCATTCCG	GCGCGGGTGG
	39601	CCGCGTTTAT	GGGGGAGGCG	TCTGTTGGTC	AAACGTTAG	GGAAGCCAGA	TCTTCTATAG
	39661	ACGCTTTGTT	TGGAAAAAAAT	TTAACCTTT	ACTTGGATAC	TGATGGGGTT	CCACTTCGAT
10	39721	ATAGAGTGTG	TTATAAATCA	GTGGGGGTTA	AACTTGGAAC	CATGCTATGC	AGTCAGGGTG
	39781	GATTATCTT	ACGACCGGCA	CTTCCCGATG	AAGGTATTGT	GGAAGAAAAT	ACACTATCGG
	39841	CATTACCGGT	GGCCAATGAG	GTCAATGAGC	TACGCATTGA	ATACGAATCC	GCTATAAAAT
	39901	CCGGGTTTTC	TGCTTTTCC	ACCTTTGTTA	GGCATCGCCA	CGCCGAATGG	GGTAAAACCA
	39961	ACGCACGCG	AGCCATTGCA	GAGATATACG	CCGGCCTTAT	AAACAACAACA	TTGACACGAC
	40021	AATACGGGGT	TCATTGGGAC	AAGCTTATT	ATTCTTTGA	AAAACACCCAC	CTAACCTCTG
	40081	TAATGGGCAA	TGGACTAATC	AAACCAATCC	AGAGAAGGGG	TGATGTACGC	GTATTAGAGT
15	40141	TAACCCCTATC	TGATATTGTA	ACTATTTGG	TTGCCACAAAC	CCGGTACAT	CTTCTCAATT
	40201	TTGCTAGATT	GGATTTAATT	AAACAGCATG	AGTATATGGC	CCGTACCCCTC	AGACCCGTAA
	40261	TCGAGGCCGC	ATTTAGAGGT	CGTTTACTCG	TTCGCTCATT	GGATGGAGAC	CCGAAAGGCA
	40321	ATGCCCGGGC	CTTTTTAAT	GCCGCCCAT	CAAAACATAA	ACTCCCGTTA	GCTCTTGGAT
	40381	CAAACCAAGA	TCCTACCGGC	GGGAGAATAT	TTGCATTTCG	GATGGCAGAT	TGGAAACTTG
20	40441	TTAAAATGCC	ACAGAAAATA	ACGGATCCTT	TTGCGCCATG	GCAACTTCCC	CCCCCCCG
	40501	GGGTAAAGGC	CAATGTCGAT	GCAGTTACCC	GTATAATGGC	AACAGATCGT	CTTGCAGCCA
	40561	TTACTGTACT	TGGGCGCATG	TGTCCTCCGC	CAATTCCCTT	AGTGTCAATG	TGGAATACGC
	40621	TGCAACCGGA	GGAATTGCGA	TACAGAACAC	AAGATGATGT	GGACATTATA	GTTGATGCGA
	40681	GACTGGATT	GTCATCCACG	CTTAATGCAA	GATTTGATAC	CGCTCCCGAC	AATACCAACGT
25	40741	TAGAGTGGAA	TACAGACCGT	AAAGTAATT	CAGATGCTTA	TATTCAAACC	GGGGCAACGA
	40801	CAGTTTTAC	AGTAACGGGG	GCGGCACCAA	CTCACGTTTC	TAATGTAAAC	GCCTTGACA
	40861	TAGCAACTAC	GGCTATT	TTTGGGGCTC	CTTGGTTAT	TGCCATGGAA	CTTACATCCG
	40921	TTTTTTCACA	AAATTCCGGA	CTTACTTTGG	GGTTAAAATT	ATTGATTCC	CGGCATATGG
	40981	CTACAGATT	GGGTATATCC	TCAGCCGTAT	CTCCCGATAT	TGTTTCTTGG	GGGTTACGTT
30	41041	TACTGCATAT	GGATCCTCAC	CCAATTGAAA	ATGCATGTTT	AATTGTCAA	CTAGAAAAAC
	41101	TGTCCCGCCT	CATTGCAAC	AAACCTCTTA	CAAACAATCC	CCCGTGT	CTGCTATTGG
	41161	ACGAACATAT	GAATCCCTCT	TATGTTTTAT	GGGAACGAAA	AGACTCGATT	CCAGCTCCGG
	41221	ATTATGTGGT	CTTTGGGGG	CCAGAACCTC	TTATTGATTT	CCCGTACATC	GACTCCGATG
	41281	AGGACTCTT	CCCCTCGTGT	CCCGATGATC	CATTCTACTC	GCAAATTATT	GCCGGTTATG
35	41341	CGCCCCAAGG	CCCCCCAAAC	CTCGACACAA	CTGATT	CCCAACGGAG	CCACTATTAA
	41401	AGTCTCCCGT	TCAAGTTGTT	AGAAGTTCCA	AATGTTAAA	ATGCCCGTC	CGGCCCGC
	41461	AGCCCGCGCA	GCCCCGCGAG	CCCGCGCAGAC	CGTCCAGCCC	GCGCAGCCCA	
	41521	TAGAACCGGG	CACACAAATA	GTGGTACAAA	ATTTTAAGAA	ACCCCAAAGC	GTAAAAACAA
	41581	CCCTTAGCCA	AAAAGATATT	CCCTTGATG	TGAAACCGA	ATCAGAAACG	GCTGTGCTTA
40	41641	TACCTAAGCA	ATTAACCAAC	TCCATTAAA	CAACCGTTG	AAAAGTATT	ACCCCAACAA
	41701	ATAACCAATT	GTCGGATTGG	AAAAATAATC	CACAGAAAAA	CAAACGTTA	AACCAAGCGT
	41761	TCAGTAAACC	AATACTTGAG	ATTACCTCA	TTCCGACAGA	TGACTCGATA	TCTTACCGGA
	41821	CTTGGATTGA	AAAATCAAT	CAAACACAAA	AACGGCATCA	AAATGACCC	CGAATGTATA
	41881	ACTCCAAAAC	AGTATTCCAC	CCTGTAATA	ACCAATTACC	TTCTTGGGTT	GACACGGCAG
45	41941	CCGATGCC	CCAAACGGAC	CTATTGACAA	ACTATAAAAC	AAGACAGCCG	TCGCCAAACT
	42001	TTCCCGGGGA	CGTACACACA	TGGGGCGTAT	CTTCTAACCC	GTGAACTCA	CCGAACAGAG
	42061	ACCTATATCA	AAGTGT	AGTGAACCTT	CTGACGGCTA	TAGCAGTGAG	AGTGAAAATT
	42121	CTATCGTACT	AAGTCTCGAC	GAACATCGGT	CATGTCGCGT	TCCTAGGCAC	GTACCGTGTG
	42181	TTAATGCCGA	TGTAGTCACC	GGTCGACGTT	ATGTCGAGG	GACCGCCTTG	GGAGCACTGG
50	42241	CACTGTTAAG	CGAGGCATGT	CGGCGTATGA	TCGACAAACGT	TAGATATACA	CGTAAACTTT
	42301	TAATGGACCA	CACGGAAGAT	ATATTTCAG	GCCTGGGGTA	TGTTAAATTG	TTATTAGATG
	42361	GAACATATAT	ATAAAGTAGC	GCCTATTAAA	AAAAAA	AAACAACGAT	TATTTTCTGT
	42421	GTATT	TTACACCTTA	CGACTTCTTG	AAGCGTTCC	AGATTGTCCC	GTGTGTGACA
	42481	AGGTCTGTCC	CTTACCCCCC	TGGGGGGTAT	TTTGGGTTGG	GGGGGGGTTA	GACTGTGGCA
55	42541	CGCCTTGGGC	CGCGGGCGGT	GATCCGGTTG	TTGGCTGGAC	AGTGCTTGAC	TGTGCTCCCT
	42601	GTTGCGGTG	TTGTCAGAA	GACCCCGACA	CCACGTGTTG	CTGTTGTC	ACGGATGCCG
	42661	ACGTCGTTG	AGGTGGGGGG	TGTTGCGGGG	ATGATCCGA	AAACGCCAAC	GGGGCGGGCT
	42721	GTTGTAAAGC	AGACTGATCG	GCGCTCTGTG	TTTTTGC	CAATATAGTA	GGCCCCGAGA
	42781	TTCCCAAAC	CATGGATGGA	TTTGGGGGTT	GTGGTCGTAT	AATACGCGGG	TTAACACGTAC

	42841	GTTTIAAGCC	AACC GTTGGT	CTTA ACCATG	TCATAGGGTC	AGTCTCGGCA	AACATGGCCG
5	42901	TTCGGCGTAT	CGT ATTGCA	TTATGGTTAG	CGCGTGACG	CGCGGCACGT	GCCGCGGCTC
	42961	CCACGGGTGA	AATG CTTCTG	GCATCAGCGA	TGTCCACACG	GTGACCAGGT	TGCAAAGGTC
	43021	CACTGGCGTT	TAAAAGTCGT	ATTA AAAGCAA	CGGGGGTGT A	AGCCGCAATT	GCTTCCACCG
10	43081	AAAATGTGGT	GGGG TTGCTG	GGATCAAAGA	CTACACGAGA	CGATGCGGGT	TGTGTCATCG
	43141	TTTATTAGTT	TACGGGACAA	TCGATAACAG	CATACACGTA	CATCTGCAC	GGATATGTAC
	43201	GGAAAGGC A	TTTATTTCCA	GAAAAGCACC	GCCCCTAATA	CAACTACCAG	TACAATTACA
	43261	ATGAACACAGG	CATATGTCAC	GT TAGCTACG	GGTAGAGCAA	GT TCCAGAC	ACGCGTAGTT
15	43321	TGGGTATCGG	GTAACGCAGG	TTAATGTCA	CTTG CATT	GAACAGACGT	GT TGGACTT
	43381	CCGTTCTCGG	GTGGGGATCT	GAATGAAGGC	CGCCAGCGTA	TATATT CATC	CAAATTATTG
	43441	CCAGTTTCC	TATACATGTA	TGCATCCGTG	GCGCGGGCCA	TAAGTTTAAT	GGT GCGAGAT
	43501	GGATCTTCCG	GTCCCATAAA	ACGAAAGGAT	AACTGAACAT	ATGGCATT CG	CACAAAGCAG
	43561	TTCACCCACA	TTAAAGCCTG	GAGAGGT CGG	CGGTCAATAC	CCCCCACCTCG	TTAATTGAT
20	43621	TCCAAGCAG	ATAGGTTGAT	ACCGGTACTT	AACGTTGAAC	TAAGAATCAC	GT TATTACTG
	43681	TCAATGGACA	CTTCAGCCAC	TGGTGC GTT A	GTCGGACGAA	AAAAAAAACC	TTGAAATAGC
	43741	ACAGACACCC	CCGTATT TTG	AATTTTATG	TAAGGGTCAC	AATCTACTTG	CGCCCAATT
	43801	GCCATTAAAC	GCATAATATA	CTCTACCGGA	AAGGCTTCGG	ATACGTTGTC	TT CGCCGTTA
	43861	AACTGAAAAA	CACAACGGGC	GGGGGGGCGT	TGTGGATCAA	ATATTGGAAG	ATCCCCATCG
25	43921	CAACATTGAA	GAGCGCTTGG	TACCAAC AAC	CGAATACGTT	GTAAAAGATT	ATCTCCGCAA
	43981	CCCCTCCTGC	GTTC ACTCCG	TACATACGTT	CTCCGTGACA	TATTGATCTA	AGGTTGCAAA
	44041	CCAAGGCACA	CGCGTGAAGT	ATTAGACCA	TTTATCGTGG	GATATAGGAG	GAGTTTGGAG
	44101	TGATCCACCC	CCTGACGACT	TATTAATGCG	TTTATT TTCC	CCATGTATTA	AGCATCCTTC
	44161	AATATTTCAT	GCAAATCTAG	AAATTTGGCC	ATGACTCCCG	CAAAGCGTTC	ACGGCGACGG
30	44221	GTCACGCTGG	CACTATGTT C	ACATGGAAC A	ACATAAGCAG	ATTTTTCTGA	ATCGTTACTT
	44281	TCTTTATGTT	TTAAAACGGA	CGCCAGGC GA	CTGGTAAATG	ATATATAATT	TAATTGAGCG
	44341	TCAGTTGTAG	GTAGAATTG C	TTCTATT TCC	GGGGGAATTA	AATTTTCAA A	CCAAACGGAA
	44401	AGAGTAAAGG	TGCTATCAGC	AGGAAAATAC	TTTGACTCCA	GTGCATCGAT	ATTTAATAGA
	44461	TTAACATCGG	TGTCTGTAA T	AAAATCGCGG	GCCCTCATCC	CAGAGATGGA	TCGGGTAGAA
35	44521	TCAGAAGAAC	CCATGGATGG	ATTGCAATCG	CCCGTATTCT	CCGAAAATAC	ATCTCTAAT
	44581	TCCGGATGGT	GTTCCGACGC	ATTTTCCGAT	TCGTACATCG	CTTATAATCC	AGCCCTTCTG
	44641	CTAAAAAACG	ATTTGTATT	TTCAGAATTG	TTATTGCTC	CCCAC TTAAT	AAATGTTCCC
	44701	CGT GCAATAG	AAAACAACGT	CACTTATGAG	GCCTCTTCGG	CGGTAGGTGT	GGATAATGAA
	44761	ATGACCTCAA	GTACCACTGA	ATTTATAGAA	GAAATTGGAG	ACGTTTTGGC	GTTAGACAGA
40	44821	GCCTGTTGG	TCTGCAGAAC	GCTGATTTC	TATAAAACGTA	AATTTGGACT	GACACCGGAA
	44881	TGGGTTGCGG	ACTACGCCAT	GTTATGTATG	AAAAGCTGG	CATCCCCGCC	CTGTGCAGTT
	44941	GTCACTTTA	GCGCTGCCT	TGAATT TGTC	TATCTTATGG	ATCGTTACTA	CCTGTGCCGT
	45001	TATAACGTTA	CTTGGTTGG	GTCCCTTGCC	AGGCGCACGC	TTTCCCTGTT	AGATATACAA
	45061	AGACATTTT	TTTGCACTGT	ATGTTTTCGT	ACCGATGGAG	GGTTACCA GG	TATACGACCG
45	45121	CCCCCCGGTA	AGGAAAATGGC	CAACAAAGTA	AGATATTCCA	ATTACTCCTT	TTTGTACAG
	45181	GCGGTAGTTA	GGGCTGCATT	ACTATCGATC	AGCACGGTCTC	GT TTAGACGA	AACCGAAACG
	45241	CGTAAGTCAT	TTTACTTTAA	TCAGGACGGA	CTGACTGGAG	GCCCTCAACC	TTTACGGGCC
	45301	GCCTTGGCTA	ATTGGAAAGA	TTGCGCGCGG	ATGGTTGACT	GTTCATCATC	GGAACATCGC
	45361	ACAAGTGGGA	TGATTACCTG	CGCGGAACGT	GCAT TAAAG	AGGATATAGA	GT TGAAGAT
	45421	ATATTAAATAG	ACAAACTTAA	AAAATCGTCT	TACGTAGAAG	CAGCTTGGGG	TTACGCAGAC
50	45481	TTGGCTTTAT	TATTACTGAG	TGGGGTTGCT	ACTT GGAATG	TAGACGAGCG	TACAAATTGT
	45541	GCTATAGAAA	CTCGCGTGG	ATGTGTTAAA	TCATACTGGC	AGGCGAACCG	GATTGAAAAC
	45601	TCCAGGGACG	TTCCAAAACA	ATTTTCCAA	TTTACGAGCG	AGGATGCGCTG	TCCCGAAGTA
	45661	GCATTGGC	CTATTTGTT	AACTACCTT A	AAAACGCAA	AGTGCCTGG	TCGCACGAAT
	45721	ACCGAATGCA	TGTTATGTTG	TTTATTAACC	ATAGGGCACT	ATTGGATCGC	TTTGC GGCA G
55	45781	TTTAAAAGGG	ATATATTAGC	ATACTCAGCA	AATAACACAA	GT TATTGTA	CTGTATCGAA
	45841	CCTGTAATCA	ATGCATGGAG	CCTAGATAAC	CCCATTAAAC	TTAAATTTC	ATTTAATGAT
	45901	GAGGGTCGAT	TCATAACCAT	TGTAAAAGCA	GCAGGTTCCG	AGGCCGTATA	AAACATTTA
	45961	TTTGCGATC	TCCTATGCGC	TCTCTCGGAA	TTACAGACAA	ACCCCTAAAT	TTTATTGCGC
	46021	CAT CCTACAA	CCGCGGATAA	GGAAGTGTG	GAGTTATATA	AAGCCCAACT	GGCTGCACAA
	46081	AACAGATTG	AAGGTCGTGT	ATGTGCTGGC	CTGTGGACAT	TGGCGTATGC	ATTAAAGCC
	46141	TACCA GATTT	TTCCACGCAA	ACCAACCGCC	AATGCGCGAT	TCATACGAGA	TGGAGGACTT
	46201	ATGCTTCGAC	GACATGCAAT	ATCGCTGGTC	TCCCTCGAAC	ACACCCATC	GAAGTATGTC
	46261	TAGGCGATAT	AAATCCGTAT	CTCGGAGCGG	GCCTTCGATG	CGTGTACGCT	CCAGAACGCC
	46321	ATGCCGCCGT	CAAACCATTC	GAGGAAA ACT	TATGTCAAAG	GAGCGGTCTG	TGTACCGCCA

	46381	TTATTTTAAT	TACATCGAA	GGTCCCCCCC	AGAAGAACTA	GCTACCGTTA	GAGGCTTAAT
	46441	CGTCCAATT	ATTAAGACGA	CCCCGTCA	CCTTCCGTT	AACTTGGTC	AGACAGTGGC
5	46501	GGATAACTGC	CTGTCGTAT	CCGGAATGGG	TTATCATT	GGTCTCGGAG	GTTATTGTCC
	46561	GACATGCACT	GCATCTGGAG	AACCGCGTCT	ATGTCGAACC	GATCGGGCGG	CTCTGATACT
	46621	AGCATATGTT	CAGCAGCTTA	ACAACATATA	CGAATATCGT	GTGTTCTTG	CATCCATT
	46681	GGCGCTATCA	GACCGAGCCA	ACATGCAAGC	AGCGTCGCT	GAACCCCTAT	TGTCGAGCGT
10	46741	ATTGGCACAA	CCGGAATTAT	TTTTTATGTA	TCATATTATG	AGGGAGGGGG	GCATGCGAGA
	46801	TATACCGGTA	CTTTTTATC	GTGATGGAGA	TGCCGGAGGG	TTTATGATGT	ATGTTATATT
	46861	TCCGGGGAAA	TCTGTTCA	TCCATTACAG	ACTAATCGAT	CATATACAGG	CCGCGTGTG
15	46921	GGGGTATAAA	ATAGTCGCAC	ACGTTGGCA	GACAACATT	TTACTGTCGG	TATGTCGAA
	46981	CCCAGAACAA	CAAACAGAGA	CTGTGGTGCC	ATCCATTGGA	ACATCGGACG	TTTACTGTAA
	47041	AATGTGTGAC	CTTAAC	TTGAGAATT	GCTTTGAA	TACAAAAGAC	TCTACGCATT
	47101	ATTTGATGAC	TTTGTTCTC	CTCGGTGATT	TCAGCTTCAG	TGTTCA	ATTATCCCAG
20	47161	CACGGGGCGT	GTATAAACAC	AAAGCCTGCC	GCCTGCAAGC	GGTTTAGCAT	TTAACCGTTA
	47221	ACAACCTCGT	TCTCTGGAA	AAAACGTTT	AAAAGCCGTT	CTGTGAGTT	AGTGTGTTT
	47281	CCAAATAACG	CCTTAAAAGT	TACACTCGCC	GTCCC	AAATGGA	ATAATAGTC
	47341	ATGTTTAAAG	ACAGCCCGTG	TGATGTTACG	TGAATGGGAT	CTTCCGCTAA	GTCAGATATT
25	47401	ATTAAC	TAC	GCTTGCTTC	CCCACACCGT	TTACCTGCGG	TATTCTGTA
	47461	CGTAGCAAAG	CTACACTTT	TGCATCAGCC	TCCACTTCGT	CTGTGGGGC	CACAATAACA
	47521	TAAGGGATGC	GTTCTCGAAC	GTTTGGGATT	TGACCC	GTGTC	TCATTACTAA
	47581	ACTGTTAAGT	GAGCCAAGCG	ACGGTTATG	TAGGCCGATG	GTGGACGACT	AAGCTCGGCC
30	47641	GTCATAACAA	ACTTATTAAAT	ATCCAATTG	GGTGATGTA	TCTGGCGATG	TGCATCTGCA
	47701	ATTATGCGTC	CAAACCCGGC	CATCCCAGAC	GGCATGGCC	GTCTATTCCA	TTCAGCAATG
	47761	GAAACACACG	ACGCC	TCG	GAGACGGTGT	CGTCATATAA	CAACAGTCT
35	47821	ACAAGTTG	GGGCATAATC	GTAAATAAAT	TGACAGTTGT	TTTTCTAAC	CAAGTCGACT
	47881	CCCTTCATTA	AAACCTTCC	GCGTAAATT	ACCCCAATGT	ACTTTTCTT	TGTTATAAGC
	47941	AAAAGTTT	TAAAAGTTT	TTCACACTCC	AACTTTATAG	GAGGACAAA	CAGAGCGTT
	48001	GAAATTATAT	GTGCCATT	CTCGCCGATT	TTAGCTATCC	CCTCAACACT	AAACACCTTG
40	48061	AATCGGATAA	ACACAGAATC	CGTATCTCA	TATATAACCT	TTACCTCGTA	CGCTTTTGG
	48121	GAGAGAACGC	TACTTTCAAT	GTCTGGAAAC	GCTGTAATAA	AACGTTCAA	TGCGGCCAG
	48181	TTATTATGAA	TATAATCT	GGTACTTAAT	AACTTTGAC	GCCAAATTGT	AGTGACAGTG
	48241	GCGCTACGT	ATAAACATGG	CAGAAATCCC	TGCGCAACTC	CAGTAAAACC	GTACACGGAA
45	48301	TTACAAACTA	CTTTTATCGC	GGCTTGTGTT	TTGTCATAA	ACACTGCTTC	ATCTGAAGAA
	48361	CTTCCGGGT	TGCGCGCTC	AATAGCCTG	CGCATAGCCA	ACCAGTCTT	AAAAGAACAA
	48421	CCCAGCAGAC	TTCTCGAAC	GTAGAGCGC	ACAAAAAAA	GACGTTTIC	TCCAACGT
	48481	AAGGTGGCAT	AATCGGATGG	ATTCAAACGT	TTAACCGTCT	CAAAATTIAA	CGTTAGCGTG
50	48541	GTAAAACATA	AGTTATGGC	CTGAATTATA	CTTGGATATA	AACTTGCAA	ATCCAATACG
	48601	ACCACCGGAT	CGATATAAAA	TCCCGTATCA	GGGTCAAAA	CCCTGGCTCC	TTTATATCCT
	48661	ACATTTCGCC	CACTTGACGT	ACCAGTGGGA	GAAACGCTCT	CGTCTTCATC	CATCTCTTCC
55	48721	TCAACATCCC	CGACATCGG	AATAACATCC	TTATATTCAA	AGTAGCTGG	GTATCCCCA
	48781	TCGGTAAAAA	TAATCCTCG	AGACGAAGCC	AGTCCTAATA	ACAGGTGTA	AATCTAACC
	48841	TGCTGTCCGT	CGTAAATAGC	CTTGGTTAAA	GTAATTCTAG	CTAGCCTTGC	AACCGCGGAT
	48901	AACTCAAGGT	GTGGTAAATA	TTTAAAAAAC	AGTTTCCCCA	CAAGAGCCGA	GTCTTGTATA
	48961	CAATATTAC	CAATAATTCC	TCGTGTATT	GGTCCACTAG	CGTAATATCC	CGGAATGTCT
	49021	TTGTAGGGCA	AATCTCTT	GGACTCATTT	AGAGCTTCAC	GTGCAACCGA	ATCTAATTAA
	49081	TAACTCGAGA	GT	TTCA	TTCA	TATCCAGAGA	TATGAGACCG
	49141	TTGATCTTA	CCTTGCTTCG	TCGCTGAAAT	CCGGATTGTC	CAACATCCC	TATCTTAAAC
	49201	AGACCCCCAC	GGTTTATACT	GCCATAACCA	TCAAGCTGA	GACTGTATAT	AGAATTAAAGT
	49261	TTCTCCATAA	TAAACGCCA	ATCAAATT	ACAATGTTAT	AACCTGTGGC	AAACTCGGGA
55	49321	GCGTACTGTT	TTACGAGGGT	CATAATGCA	ATTAATAGCT	CGAATTCACT	ATCAAACCTCC
	49381	AGCACAGTCG	GCTCCGGTAA	CCCCCGTCC	TTCA	TTCA	TTGTTGTAAG
	49441	TCACAAGAGC	CAAGGGAAA	CAGTAAAATG	TGTTCTAAAG	ACTGTGAGG	GATTGAATAT
	49501	AATAGACAAG	AAATTGGAT	TACAAGATCC	TCCAGATGTG	TTGCATCGGG	AAACGCCAGC
	49561	TCATTAGATC	CTCCGTATT	ACATTCAATA	TCGAAACATA	ACAAC	TGTA
	49621	GAGTCATCGT	TTGGTATAGC	CTGCAGATTA	TCCGACATGC	AGTCATTT	AACGTCGCTT
	49681	AACGTTAATT	GGCGACTTGC	CGGTGCAACT	CGAACACGTT	CCCCATCAAC	TCCAGGTTTT
	49741	AGTTGATACC	AACAAA	AAACAAAGCCG	GGATTATCCA	TTAGAAAACG	AGTGGTAGCG
	49801	TCTACCCGAC	CTTCATACTT	TTTCAACTCC	GGGTGAAAGT	TATCACAAAG	ATAATTGTA
	49861	AATTAGATG	AGGGAGAATA	CACCCGTAA	AACGCACATG	GCTGTGTATC	GTAGTAATAA

	49921	ACATCTGTGC	GCTCAATAAC	CTCAACGCGA	AAGCTTTCTG	GAGATGCGCT	TTTAAACGAG
	49981	GTACCATGAA	AAGCGTTCTT	GTCTCCATT	AACGTTGCAT	CATTTTGTT	TATCATAGAA
	50041	CTGCGTAAAC	ACTCGGAAG	TAATACAGAT	AACTCGCTAC	CGGAACGTAT	GCCACAAGCG
	50101	GTATCCACCT	CGGCTTGT	TATATAAAA	TATTGACAGA	TGCCGTATAC	ATGAACGTG
5	50161	ACCCTTTTTC	CACATCGGG	CATGCCAAGT	AAAGTAATAA	CGGTACCAAG	CGGTGCGT
	50221	GCAGTTGCAA	ACCGGGATAC	ATCTCCATTA	GACGCGGCTT	CTGTTGTTTC	GACAATATCA
	50281	TATACATGGA	ATGTGTTAAA	GCGGGGGTCA	AACTTATCCC	CACGAAAGTC	GATTCCCCC
	50341	CAAATATTCA	CGCGTCTAGG	CCAGGGCTG	GAACAAACGAA	AATCCAGAA	CGGAACCTCT
10	50401	TTTCCATTAC	AGTAAACTTT	AGGCGGTCGA	CTAAGTGTAC	CGACGTGAAC	CCCCTTCG
	50461	TCTTCCATGG	GCACATCTTC	ATCTAAACAT	TTAGGGGCCA	AAAATTGAAA	CGATGACATG
	50521	GTAGTTTTGT	AACTATGAAG	AAATTCTCTG	TTACTACC	GCCCGGTTCT	TGGGTTATAT
	50581	TTAACCCCTG	ATGCTGGGT	TAAAAAGGGA	TTACAAAACC	CCGTTCTGAT	CGCCATT
15	50641	TGTTAACGAT	TGATAATCTT	GTAAAAAGCC	AGTGTACTG	AGTAACACAA	CCCCACGCCC
	50701	TTCTAATACA	TAAAGTGTAA	TCACGTGATT	TGTTGTGGTT	TCCGCATATG	TAATACCCGT
	50761	TTAAAAGCCT	CTCTTCTTAA	TGTATCGACA	GACTGGGTTT	TGGGTGGTCA	TTTGACCTG
	50821	CCAACAACCC	CCCATTATTA	CGAGTACTTC	ACCAAAATGG	AAAATACTCA	GAAGACTGTG
	50881	ACAGTGCCA	CGGGGCCCT	GGGTTACGTT	TATGCGTGCC	GGGTTGAAGA	TTTGGATCTG
	50941	GAGGAAATT	CATTTTGCG	CGCTCGTAGC	ACGGACTCTG	ATTGGCTTT	ATTACCTTG
20	51001	ATGCGTAATT	TGACCGTGG	AAAAACTTTT	ACATCAGCC	TGGCGGTGGT	TTCTGGAGCA
	51061	CGCACTACGG	GTCTTGGCGG	AGCTGGTATT	ACCTTAAAC	TCACTACCAG	TCATTCTAT
	51121	CCATCTGTCT	TTGTCTTCA	CGGAGGCAAA	CACGTTTAC	CCAGCTCCGC	GGCCCCAAAT
	51181	CTCACACGCG	CGTGTAAACG	GGCTCGAGAA	CGGTTGGGT	TTTCACGCTG	CCAAGGGCCT
	51241	CCTGTTGACG	GTGCTGTTGA	GACGACCGGC	GCTGAGATAT	GCACCCGCCT	TGGATTAGAG
25	51301	CCAGAAAATA	CAATATTATA	CTTGGTGGTC	ACGGCATTGT	TTAAGGAAGC	CGTATTTATG
	51361	TGCAACGTGT	TTCTGCATTA	TGGAGGACTC	GATATTGTT	ATATTAACCA	TGGGATGTT
	51421	ATACGTATAC	CGTTATTTC	GGTACAAC	TTCATGCCG	ATGTTAACCG	TCTGGTACCC
	51481	GACCCATTCA	ACACTCATCA	CAGGTCTATC	GGAGAGGGTT	TTGTATACCC	AACACCTTT
	51541	TATAACACCG	GGTTGTGCCA	TTAATACAT	GACTGTGTTA	TTGCTCCAT	GGCCGTTGCC
30	51601	TTGCGCGTCA	GAAATGTAA	TGCCGTGCC	CGAGGAGCGG	CCCACCTTGC	TTTGATGAA
	51661	AATCACGAGG	GGGCAGTACT	CCCCCTGAC	ATTACGTACA	CGTATTTCA	GTCCCTTTCA
	51721	AGTGAACCA	CTACCGCCG	TGGAGCGCGT	CGAAACGATG	TCAACTCCAC	GTCTAAGCCT
	51781	AGCCATCGG	GGGGGTTTGA	AAGACGGTTG	CGCTCTATT	TGGCCGCTGA	CACAGCTTG
	51841	CACGCAGAAG	TTATATTCAA	CACTGGAATT	TACGAAGAAA	CTCCACAGA	TATCAAAGAA
35	51901	TGGCCAATGT	TTATAGGCAT	GGAGGGCACT	TTGCCAAGGC	TAACGCTCT	GGGGTCATAT
	51961	ACCGCTCGTG	TGGCCGGG	CATTGGTGC	ATGGTTTCA	GCCCAAATT	TGCGTTGTAT
	52021	CTAACTGAGG	TGGAGGATAG	CGGGATGACC	GAAGCCAAGG	ATGGGGGACC	GGGTCCATCA
	52081	TTTATCGAT	TTTACCGAGT	TGCCGGACCT	CATTAGCTG	CGAATCCCCA	AACAGATCGA
	52141	GATGCCACG	TTCTATCCAG	TCAGTCTACG	GGTTCATCAA	ACACAGAGTT	TAGCGTGGAT
40	52201	TATTGGCAC	TCATTGTGG	ATTGGAGCA	CCCCTGTTGG	CGCGACTGCT	TTTTTATCTA
	52261	GAACGCTGTG	ACGCTGGT	GTTCACAGGG	GGTCACGGGG	ATGCGTTAAA	ATATGTTACG
	52321	GGGACCTTTG	ACTCTGAAAT	TCCATGTAGT	TTATGTGAAA	AACACACCGG	GCCGGTATGC
	52381	GCTCACACAA	CAGTACACCG	ACTTAGACAA	CGCATGCCGC	GATTTGGACA	AGCCACCCGT
	52441	CAACCTATTG	GGGTGTTTGG	AACAATGAAC	AGCCAATATA	GCGACTGCGA	TCCTCTAGGA
45	52501	AACTATGCTC	CATATTAA	CCTTCGAAA	CCCAGGATC	AAACGGAAGC	AGCAAAGGCA
	52561	ACCATGCAGG	ACACTTATAG	GGCTACACTA	GAACGCTTGT	TTATCGATCT	AGAACAAAGAG
	52621	CGACTACTGG	ATCGCGGTG	CCCATGTTCT	TCCGAGGGAC	TATCGTCTGT	CATTGTGGAT
	52681	CATCCAACGT	TTCGTCGCAT	ATTAGACACA	CTGCGTGC	GTATAGAAC	GACAACAACA
	52741	CAATTATGA	AAAGTGTGGT	TGAGACCCG	GATTATAAGA	TCCGTGAAGG	ATTATCCGAA
50	52801	GCCACCCATT	CAATGGCGT	AACGTTGAT	CCATACTCAG	GAGCATTGTT	TCCCATTACC
	52861	AATTTTTAG	TTAAACGAAC	ACACCTAGCC	GTGGTACAAG	ACTTAGCATT	AAGCCAACTGT
	52921	CATTGTGTAT	TTTACGGACA	GCAAGTTGAG	GGGCGGAAC	TTCGTAACCA	ATTCCAACCT
	52981	GTTTGCGGC	GGCGTTTTGT	TGACCTGTT	AATGGGGGT	TTATATCAAC	ACGCTCTATA
	53041	ACCGTAACAT	TATCTGAAGG	TCCGTATCC	GCCCCAAATC	CGACATTGGG	ACAAGACGCG
55	53101	CCCGCGGGGC	GTACCTTGA	TGGGGATT	GGCGCGTAA	GCGTGAAGT	TATTGGGAT
	53161	ATACGAGTTA	AAAATAGGGT	CGTTTTTCA	GGTAACGT	CAAATCTCTC	TGAGGCAGCC
	53221	CGGGCAAGGC	TTGTAGGCCT	TGCAAGTGC	TACCAACGCC	AAAGAAAAAG	AGTGGATATG
	53281	TTACACGGGG	CCCTAGGGTT	TTGCTTAA	CAGTTCACG	GCCTGTTATT	TCCTCGGGGT
	53341	ATGCCACCAA	ACAGTAAATC	CCCCAACCG	CAGTGGTTT	GGACCCGT	ACAACGCAAC
	53401	CAGATGCCGG	CAGATAAACT	TACACACGAA	GAGATTACCA	CTATTGCGAC	TGTTAAACGG

	53461	TTTACCGAGG	AATATGCAGC	AATAAACCTT	ATTAATCTAC	CCCCAACCTG	CATAGGAGAA
	53521	TTAGCCCAGT	TTTATATGGC	AAATCTTATT	CTTAAATACT	GCGATCATTC	ACAGTACCTT
	53581	ATAAAATACCT	TAACTTCTAT	AATTACGGGT	GCCAGGCGCC	CGCGTGACCC	ATCATCCGTT
	53641	TTGCATTGGA	TTCGTAAGA	TGTACGTCC	GCCGCGGACA	TAGAAACCCA	AGCAAAGGCG
5	53701	CTTCTTGAAA	AAACGGAAAA	CTTACCGGAA	TTATGGACTA	CGGCTTTAC	TTCAACTCAT
	53761	TTAGTCCGCG	CGGCCATGAA	TCAACGTCCC	ATGGTCGTTT	TAGGAATAAG	CATTAGTAAA
	53821	TATCACGGAG	CGGCAGGAAA	CAACCGCGTC	TTTCAGGCAG	GGAATTGGAG	CGGTTAACAC
	53881	GGGGTAAAAA	ATGTATGCC	GCTATTACA	TTTGATCGCA	CTCGCCGTT	TATAATAGCA
	53941	TGTCCTAGAG	GAGGTTTAT	CTGCCCGTA	ACAGGTCCCT	CGTCGGAAA	TCGAGAAACC
10	54001	ACCCTATCCG	ACCAAGTTCG	CGGTATAATT	GTCAGTGGCG	GGGCATGGT	TCAATTAGCC
	54061	ATATAACGCCA	CGGTTGTGCG	TGCACTGGGC	GCTCGAGCAC	AACATATGGC	ATTTGACGAC
	54121	TGGTTAACGTC	TTACAGACGA	TGAGTTTTA	GCCAGAGACT	TGGAGGAGTT	ACACGACCAG
	54181	ATTATCCAAA	CCCTGGAAAC	GCCCTGGACC	GTAGAAGGCG	CTCTAGAACG	AGTAAAGATT
	54241	CTAGATGAAA	AAACGACAGC	GGGAGATGGG	GAAACCCCCA	CAAACCTAGC	ATTTAATTTC
15	54301	GATTCTGTG	AACCAAGCCA	TGACACCACA	TCTAACGTAT	TAAACATTTC	AGGGTCAAAC
	54361	ATTTCAGGGT	CAACTGTCCC	TGGTCTAAA	CGACCCCCCG	AAGATGACGA	ACTCTTGTAT
	54421	CTTAGTGGTA	TTCCCATAAA	ACATGGGAAC	ATTACAATGG	AAATGATTAA	ACCTCCCTCT
	54481	TTATCCAATT	AAAGCCCACA	CGCGGGTGAG	TGTACGTAAT	AAACAAGTCA	ATATTACATA
	54541	TTCTGTTGTG	TTTCTTTT	TTGTGTGTAG	TCCTTACCCA	TATGACCTGT	AATATAGTGT
20	54601	GTCTCCAACC	ATTCAGCTTA	CAGTCCAGTG	GACAGTAACA	GCCCGATAAC	ATGGAATTGG
	54661	ATATTAATCG	AACATTGTTG	GTTCTACTGG	GTCAAGTTA	TACGTACATC	TTTCAGGTTG
	54721	AACTGCTACG	TCGATGTGAT	CCAAGGGTGG	CGTGTGCGTT	TTTATATCGG	TTAGCGGCTA
	54781	ACTGTTGAC	AGTCGTTAT	TTATTAAAGC	TGTTTCTCCG	GGGATTTAAT	ACCCAGCTAA
	54841	AATTGGAAA	CACTCCCACG	GTTTGTGCAC	TGCACTGGGC	ATTATGTTAT	GTAAAGGGAG
25	54901	AAGGTGAGCG	TTTGTGAGG	TTGCTACAAC	ATTTAAAAC	GCGTTTGTGTT	TATGGTGAGA
	54961	CTAAAGACTC	AAACTGTATC	AAAGATTACT	TTGTCAGC	GTTTAACTTA	AAAACCTGCC
	55021	AATATCACCA	TGAGCTGTCG	TTAACAAACAT	ACGGAGGTTA	CGTATCGAGT	GAAATTCACT
	55081	TTTTACACGA	CATTGAGAAT	TTTTAAAAC	AGCTTAATTAA	CTGCTATATT	ATCACGTCTT
	55141	CTCGTGAGGC	GCTAAACACA	TTGGAAACCG	TGACCGGGTT	TATGACAGAT	ACTATAGGAA
30	55201	CGGGTCTAAT	ACCACCGTG	GAGTTGTTG	ATCCGGCGCA	TCCATGTGCT	ATATGTTTG
	55261	AAGAATTATG	TATAACAGCT	AACCAAGGTG	AGACCTTACA	TCGTAGATTA	TTAGGATGTA
	55321	TCTGCGATCA	CGTTACTAAG	CAAGTTCGGG	TTAACGTGGA	TGTTGACGAT	ATTATTCGGT
	55381	GTTTACCATA	TATCCCTGAT	GTACCGGATA	TCAAACGTCA	ATCCGCCGTT	GAAGCGTTAC
	55441	GAACACTTCA	AACCAAGACG	GTAGTCATC	CCATGGGAGC	AAAGAACGAT	ACGTTTGACC
35	55501	AAACATACGA	AATTGCGAGC	ACCATGCTTG	ATTCTTATAA	TGTTTTAAA	CCTGCCCTC
	55561	GGTGTATGTA	CGCCATCAGC	GAGCTTAAAT	TCTGGTTAAC	GTCTAATTCC	ACTGAAGGAC
	55621	CCCAACGTAC	TTTAGACGTG	TTTGGTTGATA	ATTGGATGT	ATTAAACGAA	CATGAAAAAC
	55681	ACGCAGAACT	TACAGCCGTA	ACGGTTGAGT	TGGCGTTATT	TGGAAAAACT	CCCATACACT
	55741	TTGATAGGGC	GTTTCTGAA	GAACCTGGAT	CTCTGGATGC	AATTGATAGT	ATTTGGTTG
40	55801	GCAATCGCTC	ATCCTCACCA	GACAGTCAGA	TAGAAGCATT	ATTAAAGCC	TGTTATGCC
	55861	ATCATCTATC	GTCGCCTCTC	ATGCGTCACA	TTTCTAACCC	GAGTCATGAT	AACGAAGCCG
	55921	CCTTACGCCA	ACTTTTAGAA	AGAGTTGGGT	GTGAGGATGA	TTAACCAAA	GAGGCGAGTG
	55981	ACAGCGCTAC	AGCATCCGAA	TGTGATCTGA	ACGATGATAG	TAGCATAACT	TTGCTGTT
	56041	ATGGATGGGA	AAACCTGTTA	TCCAAAGCAA	AAATTGACGC	TGCGGAAAGA	AAACGAGTAT
45	56101	ATCTTGAACA	TCTGTCTAAG	CGCTCTCTAA	CCAGCCTCGG	TAGATGTATC	CGCGAACAGC
	56161	GCCAAGAGCT	AGAAAAAAC	CTCAGGGTAA	ACGTTTATGG	AGAGGCCTTA	TTGCAGACAT
	56221	TTGTTTCGAT	GCAAAATGGG	TTTGGGGCAC	GAAACGTGTT	TTTAGCTAAG	GTTTCCCAGG
	56281	CAGGGTGTAT	TATCGACAAT	CGCATTCAAG	AAGCGCCCTT	TGATGCACAT	AGATTATATAA
	56341	GGAATACCTT	AGTTCGACAT	ACAGTAGATG	CGGCTATGTT	ACCTGCACTT	ACACATAAAT
50	56401	TTTTTGAGTT	GGTCAACGGC	CCATTGTTA	ATCACGATGA	ACACCGTTT	GCACAACCCC
	56461	CTAACACCGC	CTTATTTC	ACCGTGGAAA	ACGTTGGCCT	ATTTCGGCAC	TTAAAAGAGG
	56521	AATTGGCAAA	GTTTATGGG	GGTGTGCGTT	GTTCCAACTG	GCTTCTCAGT	CCATTCTAGGG
	56581	GCTTTTATTG	CTTTTCTGGG	GTAGAAGGCG	TTACTTTGC	ACAGAGACTT	GCCTGGAAAT
	56641	ATATTAGGA	GCTTGTGTTT	GCAACCACAC	TATTCACTC	TGTTTCCAT	TGTGGGGAGG
55	56701	TGCGTTATG	TCGCGTTGAC	CGTCTAGGTA	AGGATCCACG	CGGGTGCACG	TCTCAACCTA
	56761	AAGGTATAGG	CAGTCCCAC	GGACCCCTAG	ACGGCATTTA	TTAACGTAC	GAAGAACAT
	56821	GTCCCTTGT	GGCTTATTATT	CAAAGTGGAG	AAACAGGGAT	CGACCAGAAT	ACCGTCGTAA
	56881	TCTACGATTC	AGACGTTTTT	TCTCTTCTAT	ACACCTTAAT	GCAGCGGCTG	GCTCCGGATT
	56941	CAACGGACCC	GGCGTTTCA	TAACCTCCGT	TACGGGGGTG	TGGTTATGCT	TTTTATGCA

	57001	ATTTTCTATG	TTTGTTACGG	CGGTTGTGTC	GGTCTCTCCA	AGCTCGTTT	ATGAGAGTT
	57061	ACAAGTAGAG	CCCACACAAT	CAGAAGATAT	AACCCGGTCT	GCTCATCTGG	GCGATGGTGA
	57121	TGAAATCAGA	GAAGCTATAAC	ACAAGTCCC	GGACGCCGAA	ACAAAACCA	CGTTTACGT
	57181	CTGCCAACCG	CCAACAGGCT	CCACAATCGT	ACGATTAGAA	CCAACTCGGA	CATGTCCGGA
5	57241	TTATCACCTT	GGTAAAAACT	TTACAGAGGG	TATTGCTGTT	GTAAATAAAG	AAAACATTGC
	57301	AGCGTACAAG	TTTAAGGCAG	CGGTATATTA	CAAAGATGTT	ATCGTTAGCA	CGGCGTGGGC
	57361	CGGAAGTTCT	TATACGAAA	TTACTAATAG	ATATGCGGAT	AGGGTACCAA	TTCCCCTTTC
	57421	AGAGATCACG	GACACCATTG	ATAAGTTGG	CAAGTGTCT	TCTAAAGCAA	CGTACGTACG
10	57481	AAATAACCAC	AAAGTTGAAG	CCTTTAATGA	GGATAAAAAT	CCACAGGATA	TGCCTCTAAT
	57541	CGCATAAAAA	TATAATTCTG	TGGGATCCAA	AGCATGGCAT	ACTACCAATG	ACACGTACAT
	57601	GGTTGCCGGA	ACCCCCGGAA	CATATAGGAC	GGGCACGTCG	GTGAATTGCA	TCATTGAGGA
	57661	AGTTGAAGCC	AGATCAATAT	TCCCTTATGA	TAGTTTGGG	CTTTCCACGG	GAGATATAAT
	57721	ATACATGTCC	CCGTTTTTG	GCCTACGGGA	TGGTGCTAC	AGAGAACATT	CCAATTATGC
	57781	AATGGATCGT	TTTCACCACT	TTGAGGGTTA	TAGACAAAGG	GATCTTGACA	CTAGAGCATT
15	57841	ACTGGAACCT	GCAGCGCGGA	ACTTTTTAGT	CACGCCTCAT	TTAACGGTTG	GTTGGAACGT
	57901	GAAGCCAAAAA	CGAACCGGAAG	TTTGTTCGCT	TGTCAAGTGG	CGTGAGGGTG	AAGACGTAGT
	57961	TCGCGATGAG	TATGCACACA	ATTTTCGCTT	TACAATGAAA	ACACTTTCTA	CCACGTTTAT
	58021	AAGTGAAACA	AACGAGTTA	ATCTTAACCA	AATCCATCTC	AGTCAATGTG	TAAAGGAGGA
	58081	AGCCGGGCT	ATTATTAACC	GGATCTATAC	AACCAGATAAC	AACTCATCTC	ATGTTAGAAC
20	58141	CGGGGATATC	CAGACCTACC	TTGCCAGAGG	GGGGTTTGT	GTGGTGTTC	AACCCCTGCT
	58201	GAGCAATTCC	CTCGCCCCGTC	TCTATCTCCA	AGAATTGGTC	CGTGAAAACA	CTAATCATTC
	58261	ACCACAAAAAA	CACCCGACTC	GAAATACCAAG	ATCCCACGGA	AGCGTGCCAG	TTGAGTTGCG
	58321	TGCCAATAGA	ACAATAACAA	CCACCTCATC	GGTGGAAATT	GCTATGCTCC	AGTTTACATA
	58381	TGACCACATT	CAAGAGCATG	TTAATGAAAT	GTGGCACGT	ATCTCTCGT	CGTGGTGCCA
25	58441	GCTACAAAAT	CGCGAACGCG	CCCTTGGAG	CGGACTATT	CCAATTAAAC	CAAGTGTCTT
	58501	AGCGAGCACC	ATTTTGGATC	AACGTGTTAA	AGCTCGTATT	CTCGGCGACG	TTATCTCCGT
	58561	TTCTAATTGT	CCAGAACTGG	GATCAGATAC	ACGCATTATA	CTTCAAAACT	CTATGAGGGT
	58621	ATCTGGTAGT	ACTACGCGTT	GTATAGCCG	TCCTTTAATT	TCAATAGTTA	GTTTAAATGG
	58681	GTCCGGGACG	GTGGAGGGCC	AGCTTGGAAAC	AGATAACGAG	TTAATTATGT	CCAGAGATCT
30	58741	GTTAGAACCA	TGCGTGGCTA	ATCACAAGCG	ATATTTCCTA	TTTGGGCATC	ACTACGTATA
	58801	TTATGAGGAT	TATCGTTACG	TCCGTGAAAT	CGCAGTCCAT	GATGTGGGAA	TGATTAGCAC
	58861	TTACGTAGAT	TTAAACTTAA	CACTTCTTAA	AGATAGAGAG	TTTATGCCGC	TGCAAGTATA
	58921	TACAAGAGAC	GAGCTGCCGG	ATACAGGATT	ACTAGACTAC	AGTGAATTTC	AACGCCGAAA
	58981	TCAAATGCAT	TCGCTGCGTT	TTTATGACAT	AGACAAGGTT	GTGCAATATG	ATAGCGGAAC
35	59041	GGCATTATG	CAGGGCATGG	CTCAGTTTT	CCAGGGACTT	GGGACCGCGG	GCCAGGCCGT
	59101	TGGACATGTG	GTTCCTGGGG	CCACGGGAGC	GCTGCTTCC	ACCGTACACG	GATTACCAC
	59161	GTTTTATCT	AACCCATTG	GGGCATTGGC	CGTGGGATTA	TTGGTTTGG	CGGGACTGGT
	59221	AGCGCCCTT	TTTGCCTAC	GGTACGTGCT	TAAACTTAAA	ACAAGCCGA	TGAAGGCATT
	59281	ATATCCACTC	ACAACCAAGG	GGTTAAAACA	GTTACGGAA	GGAATGGATC	CCTTGCCGA
40	59341	GAAACCCAAC	GCTACTGATA	CCCCAATAGA	AGAAATTGGC	GACTCACAAA	ACACTGAACC
	59401	GTCGGTAAAT	AGCGGGTTG	ATCCCGATAA	ATTCGAGAA	GCCCAGGAAA	TGATTAATA
	59461	TATGACGTTA	GTATCTGCGG	CTGAGCGCCA	AGAATCTAAA	GCCCGAAAAA	AAAATAAGAC
	59521	TAGGCCCTT	TTAACCTCAC	GTCTTACCGG	CCTTGCTTTA	CGAAATCGCC	GAGGATACTC
	59581	CCGTGTTCGC	ACCGAGAATG	TAACGGGGGT	GTAAATAGCC	AGGGGGTTG	TTTTAATTAA
45	59641	TTAATAAAAA	TGTGTATTAC	GTTACTCATG	TGTCTCCATT	ACGCATCACA	GGGGGTATT
	59701	ATACCCGATA	ATATACAAA	CGCGTTTTGT	ACCTCTACCG	CACCCGATAT	CTTAACGGGG
	59761	TTATTATGGA	ATCGTCTAAC	ATTAACGCGC	TACAACAACC	GTCGTCTATC	GCACATCATC
	59821	CGTCAAACAA	GTGCGCTTCA	AGTCTCAATG	AAACAGTAAA	AGATTCTCCC	CCCGCGATT
	59881	ATGAAGATAG	GTTAGAACAC	ACGCCGGTAC	AATTACCCG	CGACGGTACA	CCCCGAGACG
50	59941	TATGTTCTGT	GGGACAGCTA	ACCTGTCGAG	CATGTGCAAC	GAAACCTTT	CGCCTTAACC
	60001	GCGACAGCCA	ATACGACTAC	TTAAACACAT	GTCCAGGGGG	CCGTCTATT	TCACTGGCAC
	60061	TGGAGATTAT	AACGGGTGCA	TGGGTTTGC	TCCCGCGTGT	GTTTCCGGAT	ACCCCAGAGG
	60121	AAAAATGGAT	GGCGCCATAT	ATTATTCCAG	ACCGAGAAC	ACCATCATCA	GGGGATGAAG
	60181	ATTCTGACAC	CGATTAAATT	TAACTTAAAT	AAAACCTAC	CACCCATAAA	AACGCCTTCT
	60241	GTTTGTAA	CACGACACCG	CTTAACAAAAA	AAAAAAAAAC	CAAACACGCC	TTTATGAAT
	60301	GTAATACTTT	TATTGTTGG	TTAACACCCG	CCCACCATCA	TCTGATTG	AAACATATCG
	60361	GCGTCGTCTG	CCGTGGACCC	CTGTATTAAA	GGGGCCTTGG	AACTCGCCTC	CACTGCATT
	60421	ACATCTGTC	CAACTGTATC	TGTATGTGGG	GTGCTGTTG	TATTTGGGA	TGAGCATAGA
	60481	CCCGAAACGC	TTTGAAGCTG	TTTTAATAAA	ATCGATATT	GAGGATCCCG	TGTCCCTCT

	60541	GGTATATTTG	TATGGTGCAG	CAAAGGCATT	TGTGTCCCCT	TTTGTGATT	TAGCTCTGTA
	60601	ACCTCCTGTT	GCAGTTTGC	CACAACCCCA	GCAAGCTCTT	CGTGCTGACC	ATTAGAAACT
5	60661	CTGTGTCTCC	TCTGCCAATA	TGATGGAGAA	ACTCGACGTC	TCCGATGCGT	TATATACGTT
	60721	GGTTCACCGG	GAAAATATAT	ATTGAGGGGA	AACTCTCCGT	CCATTGAGA	CTCCCCACTA
	60781	TAAAAAAGAAT	CCAATTCCCT	TTGATCCATG	CTCTTGAAT	CCC GTTTCC	TGGACGACGG
	60841	ACATCGGTTT	TGTCTGGAAA	ATTACACAC	GGGGTCTGCA	AGTCAATACC	CCGTTGGCG
10	60901	GCCAATGCGT	TCATAATGTC	GGACATTGCG	ATTTCCAAC	GATTGGGTGG	TGGATATCCC
	60961	GGAAACCCGT	ACGGTCCCCC	GAAGTGTCCC	GGAGGGCAAC	CATAACCCCC	TGTATTAGGT
	61021	GGGAAGGCAG	GCGGGTGTGG	AGATCCATAT	GGCCCAGCGA	TATACTGTCC	GTTATTGGA
15	61081	GCTCCAATTG	ATACCTGCGG	ATTTTTAGTC	TGCCCCGTTA	ACAGCTGTGA	ATAATACGCG
	61141	GTAGGTATCA	GTACAAATTG	CCCTCCGGTT	GGAACGCCCG	ACGGGGGCTG	TGGTGAGATA
	61201	TTACTAGCGT	TACCTGCTAC	AGAACGCCATA	TCGCTGTCGT	TCCTACACAA	CTGCGTAACC
	61261	TTTAAATGCG	GAACAGTCTT	TTCACAAATCT	TCATTGATT	CCCCAACACC	CAACGCGAGA
20	61321	TCGTATATGG	GCCCCGCCGGG	GTGGAATGTG	GCGTTATAA	CACCCGCGTT	GGGTAAATTAA
	61381	GACTCCACCC	CATTAACGTT	GGTTATCCGA	GCAAGTCCAT	ATCCGGTGC	AGCCTGAAGA
	61441	TAAACGTGAC	CCATAATTCC	GGCTTCGCGT	CTACGTTTTG	CAACCACGTC	CCATCTATCT
	61501	CTTAAAAGCA	TATTGTCAC	GGCTGTGGAT	AATAACACCT	TGGCGAGTTT	ATCTTCGCTA
	61561	ACCTTCCATA	CTTTATTAA	ACCCGCGTAG	TCTTTAACCA	GCGACAATAA	CCGCGCTTTA
25	61621	CTTTCCATCG	ATAAAACCCG	GAATGGTTCA	ATTGAAGATT	CCGGGGTACA	GTCATAATTG
	61681	ACCACTGTT	CAACCGCTC	TCCAACAAAC	CATAACGCAA	CATGGGTTAA	AAAATTACCG
	61741	TCTGGTATCT	CATTGGGGA	CAATCGTTTT	GAAGACAGGG	ATACGGAGGG	TAAGTAATT
	61801	GTGACCAAGT	ATAACGACG	TTCTAGCGGA	GATAATACAG	ATATCTATT	TCCAAAAAAA
	61861	TTCGAATGGG	CCGCTTCAA	CAGCACCGCA	TGTAGTTGAG	GGCATCTAAC	GATACCCAAA
30	61921	AAAAAAGGTC	CGCGTATGTC	CTCAATGATT	GCGATTACTT	CACCCACGAC	ACAGTCTTTT
	61981	CGATGATCGA	TGTTTATTGG	TATTTTACTA	GTAGGCGGCA	AAGCGGACCG	ACAATCTCT
	62041	GGGGTAATAT	TTAATTCCCC	TTCGTCCTT	GAATATAAGG	CTAAATACCC	AGCCACGTAT
	62101	AACGCTTCAC	AGTTCTCTTC	GTCACTTCA	GCAGCCATTA	TAACACCCCC	ACGGACCGGA
	62161	TAGTGAATAC	TCACGGTGTG	GAGGCAAAC	GAGGAATGAC	ACCCAAACAG	ACAAAATATA
35	62221	GAAGATCATA	GTCACTGTTA	ACGTTGAAC	GCGCAAGGCG	GCGACTTCT	TCCAATGCCG
	62281	CCCTTACACG	CGGTTGGTGC	ATTAACATTC	CAAGTCCCCG	TTCATATTGC	AACATAACAC
	62341	TGTCAATGTT	TGATACCAACG	GGGGCTATGG	GTAGGGATGT	AACATTGTT	CGGCGGTGTT
	62401	CTAATTCCAA	TGCAATTAAAG	CTTATGAGCC	GATCTGGTA	CTGTCAGAA	GAATATCTA
	62461	TTACGGTTCT	TCCTAAACTT	CCACGACTAA	GCTGGGTATG	CGCGTCTAAA	CAAAGAGCAA
40	62521	CTAATCCAGG	AAACATTTC	GTCACTCTCG	TGGTCCGATT	TAACGTATAC	AGTGGTGCTA
	62581	TATATCGTT	ACATAAAAAT	TGAAAGTTAT	TATTACCGCT	TTTAAACTTC	CCATCAAACC
	62641	CCGTCGCTCC	GCGCAAGGATT	ACATTGTTGG	TAGGGGTTCC	TGTTGCTTCT	GACACAATCA
	62701	AACCCAGTTG	AAAATTATTT	TTTAGTTTAT	CTCCGTATAC	GTTCCCGTTC	CATAATAAGC
	62761	GCCTTAATAA	TAATAACGCC	GTAATCGTGT	CAATTGTTAA	CCTTAATAGA	GTTGGTCTT
45	62821	CCATAAGAAA	CACGTTTGG	GCCC GTTCTA	AATACGCCGC	GGCCGCCTGT	TGAATCTTGT
	62881	CCACATATGC	GGTATGATTG	CGATCAATAA	TGTCACTAAC	CCCAGGATTA	AACTGTCCAG
	62941	GTGCAGGCGG	TAGGACCTGC	AACCGTATAA	GCGCATCCAT	AACAGAATGT	GACGTTAAGG
	63001	CGCCTTGATC	ATACCGCCCC	CCACGAGCAT	GAAACTGGTC	GGGTGGTAGA	CGATCATAGC
	63061	AAAATTGATA	ACTGTTTTA	TTTCGTGTG	TTGTCATATA	ATTACAAAT	GTCTCAGTAT
50	63121	ATTCCGGTAG	GTGCTCTATA	AGGTTCCCGA	AGGACGAAAC	TTGAGGTTCG	TGGACACTAT
	63181	TAGATGTCCT	ATACATTAAA	TATAAACATA	ATACCGCACA	CTCGAACCG	GAGTACGCTC
	63241	TATCTCCAAC	ATACATTCTC	CCGGCGGACT	GTAGACATGT	TACCGTTGTG	TTCATAAACG
	63301	TACGGGAAAT	GCGCCCGTCT	TTACAATCAA	CTCCGCGTGC	AGCTACGGGC	CTATCTAAC
	63361	CAAGCCGTT	CTGCAGAGTA	CGATACCATG	GCCCCAAAAC	AATCCCTGGA	GAGTTATTGC
55	63421	CCCTTGCCT	TCCCAAGTAC	ACCAAGGTTGA	TAAAATCCAC	TTGAAAGTTT	GTATCGTACT
	63481	GCAACGGTGC	ATCATTGTTG	GCAATCTGTA	CCTCGGGGTG	TATAGACTCA	TTGCGTATTA
	63541	TTTCTGTACG	TGTACATTCC	TCAGATTGTTG	CATCTGCTTC	TTCCGCCTCG	GCAGCAGCCG
	63601	TCTCCAGGGA	ATCCAAAACC	TTGGCCATGC	GCGTTAGTTG	TTCTTCGAGG	GGCTTTAAC
	63661	GACGATCTAT	TTCCGTTGGT	AACGTAATCG	TTTCCCCGCG	AAGGTTGTCT	AATGCGGCAA
	63721	CGGCCGCCGC	ATTTTTAAC	GTAAACGTAT	TTTTTCCCAA	ATCGGGATT	ATACGCCCTC
	63781	TTAACTCAA	CGCGGGAGCC	GTCCAGTAGT	GTATGGGAA	GTTGGGGCT	ATAAAGTTCT
	63841	TAGTGGTAGA	CAAAATATC	CCACATTAT	TCGGAAACGA	GATAGATCCG	AACCCATATC
	63901	TCGCCGTAT	GGTGTCTGCA	GCAAACAAAG	TCAACTGGCG	TGAATATAAA	CCGGTACTGC
	63961	TTTAAAGCT	GTTTCTTAC	CCATGGGAAA	ACATCCCGGT	TATACTTTGT	AAAATTCCAC
	64021	CACAAGCACC	TAAAGAAGGC	CTTCTAAGGG	GTAAATCCAC	CCCACAAGCT	GCATTTCTT

	64081	CAAACTTTGT	TAAAGCGGAA	CGATGGCATG	ATTCGCACG	CTTTTCGCCA	AGAGAACATA
	64141	CGTGAATT	CTTTTGCAT	AGACGCTTC	GCTCTCAAC	GGACCTTATC	GGGGGGGTAT
	64201	ATTCCGCTAC	ATTCTCCAAA	TGCGACGCTA	GCATAACAAG	GTTCATGAA	ATCACCTTG
	64261	GGGGTAACCG	AGTTACCTGT	AACAGGTTCA	GACCCGTTG	AGATAACAAAC	ACAAGGAGGG
5	64321	GGGTCACCAC	TATTCATCA	GATCCCCTGG	GTGTGGTTTC	CTTTATTAAA	GCCATGGTAT
	64381	CCCTCAGCTG	GCGCATACCC	TCGCAAAACT	GGTGATACCT	AGTAGGGGTA	TGTATATTAG
	64441	CGCTAAACCG	GCAAGATT	AATTCCACTA	AAAACAAAC	GGTCTTCCG	GCACCACTGG
	64501	ATTCCGTTTG	TATAATACAA	ACACAATCGG	GGCGTGGCG	TCCCAAATT	ACTTCAAACG
	64561	ACATTGATAT	GCGTACAGCC	CTTGAAACAT	CCACGTGGGA	TAACGGCCAC	AGGAGTTTG
10	64621	CCAGCCTCGG	GTTGAACGCG	TCCCGAAAC	CTCGACGTAC	GTTATCAATA	TCCCTTTGGA
	64681	GTACATCGTA	AAAACGAGTG	TGCGAACGTT	GTCCCCAACG	AAAACACTTG	GCCCGAATTG
	64741	GACTAGCGGA	CATATTGAA	GTTCGGTCCC	AGAAGATAAC	CTAAGACCGC	TTTGTCTACA
	64801	ATAAACATGT	CAACGGATAA	AACCGATGTA	AAAATGGCG	TTTTGCGTAT	TTATTTGGAC
	64861	GGGGCGTATG	GAATTGGAAA	AACAACCGCC	GCCGAAGAAT	TTTTACACCA	CTTTGCAATA
15	64921	ACACCAAACC	GGATCTTA	CATTGGGGAG	CCCCTGTCGT	ATTGGCGTAA	CCTTGCAGGG
	64981	GAGGACGCCA	TTTGCAGGAAT	TTACGGAACA	CAAACTCGCC	GTCTTAATGG	AGACGTTTCG
	65041	CCTGAAGACG	CACAACGCC	CACGGCTCAT	TTTCAGAGCC	TGTTCTGTT	TCCGCATGCA
	65101	ATTATGCATG	CGAAAATCTC	GGCATTGATG	GACACAAGTA	CATCGGATCT	CGTACAAGTA
	65161	AATAAGGAGC	CGTATAAAAT	TATGTTATCC	GACCGACACC	CAATGCCCTC	AACTATATGT
20	65221	TTTCCCTTGT	CCAGATACTT	AGTGGGAGAT	ATGTCCCCAG	CGGCGCTTCC	TGGGTTATTG
	65281	TTTACGCTTC	CCGCTGAACC	CCCCGGGACC	AACTTGGTAG	TTTGTACCGT	TTCACTCCCC
	65341	AGTCATTTAT	CCAGAGTAAG	CAAACGGGC	AGACGGGAG	AAACGGTTAA	TCTGCCGTTT
	65401	GTATGGTT	TGAGAAATGT	ATATATAATG	CTTATTAAATA	CAATTATATT	TCTTAAACT
	65461	AAACAATGGC	ACGCGGGCTG	GAACACACTG	TCATTTGTA	ATGATGTATT	AAACAGAAA
25	65521	TTACAAAAAT	CCGAGTGTAT	AAAACATACG	GAAGTACCTG	GGATTGAAGA	CACGTTATTG
	65581	GGCGTGCCTA	AACTTCCGGA	GCTTGCAGGA	GAGTTGGAA	ATATTCTGCC	GTTATGGGCA
	65641	TGGGAAATGG	AGACCCTTTC	AAACTGCTCA	CGAACATGT	CTCCGTCGT	ATTATCGTTA
	65701	GAACAGACAC	CCCAGCATGC	GGCACAAAGAA	CTAAAACCTC	TGCTACCCCA	GATGACCCCCG
	65761	GCAAAACATGT	CCTCCGGTGC	ATGGAATATA	TTGAAAGAGC	TTGTTAATGC	CGITCAGGAC
30	65821	AACACTTCCT	AAATATACCT	AGTATTTACG	TATGTACCGAG	AAAAAGATG	ATACACATTTG
	65881	TCATACTCGC	GTGTACGGTGT	TTTTCTTTT	TATATATGCG	TCATTTATTA	CCACATCCTT
	65941	TAATCCCGCC	TTTATCTCCC	AAAAACGGAG	TGGTATATT	AAAAGCCGCC	AAGCCTGTTG
	66001	GTGGGTGAGG	AGGGGTAAAG	GCACGCTGTG	TGCATAACGT	TGCGGTGATA	TTGTAGCGCA
	66061	AGTAACAGCG	ACTATGGTTG	CGCTAGTTT	AGCGGTGGTA	ATTCTCCCTC	TTGGGACCAC
35	66121	GGCTAATAAA	TCTTACGTA	CACCAACCCC	TGCGACTCGC	TCTATCGGAC	ATATGTCCTG
	66181	TCTTCTACGA	GAATATTCCG	ACCGTAATAT	GTCTCTGAA	TTAGAAGCCT	TTTATCCTAC
	66241	TGGTTTCGAT	GAAGAACTCA	TTAAATCACT	TCACTGGGGA	AATGATAGAA	AACACGTTT
	66301	CTTGGTTATT	GTAAAGGTTA	ACCCTACAAAC	ACACGAAGGA	GACGTCGGGC	TGGTTATATT
	66361	TCCAAAATAC	TTGTTATCGC	CATACCATT	CAAAGCAGAA	CATCGAGCAC	CGTTTCTGTC
40	66421	TGGACGTTT	GGATTCTTA	GTCAACCTGT	GACACCCGAC	GTGAGCTTCT	TTGACAGTTG
	66481	GTTTGCGCCG	TATTTAACTA	CGCAACATCT	TGTTGCGTT	ACTACGTTCC	CACCAAAACCC
	66541	CCTTGTATGG	CATTGGAAA	GAGCTGAGAC	CGCAGCAACT	GCAGAAAGGC	CGTTTGGGGT
	66601	AAGTCTTTA	CCCGCTCGCC	CAACAGTCCC	CAAGAATACT	ATTCTGGAAC	ATAAAGCGCA
	66661	TTTTGCTACA	TGGGATGCC	TTGCCCCGACA	TACTTTTTT	TCTGCCGAAG	CAATTATCAC
45	66721	CAACTCAACG	TTGAGAATAC	ACGTTCCCCT	TTTGGGTG	GTATGGCCAA	TTCGATACTG
	66781	GGCCACCGGT	TCGGTGCCTC	TCACAAGCGA	CTCGGGTCGT	GTGGAAGTAA	ATATTGGTGT
	66841	AGGATTATG	AGCTCGCTCA	TTTCTTTATC	CTCTGGACCA	CCGATAGAAAT	TAATTGTTG
	66901	ACCACATACA	GTAAAACGTGA	ACCGGGTTAC	AAGCGACACC	ACATGGTTCC	AGCTAAATCC
	66961	ACCGGGTCCG	GATCCGGGGC	CATCTTATCG	AGTTTATT	CTTGGACGTG	GGTGGATAT
50	67021	GAATTTTC	AAGCATGCTA	CGGTGATAT	ATGCGCATAT	CCCGAAGAGA	GTTGGATTA
	67081	CCGCTATCAT	TTATCCATGG	CCCACACGG	GGCTCTGCGG	ATGACAACGA	AGGCGGATCA
	67141	ACATGACATA	AACGAGGAAA	GCTATTACCA	TATCGCCGA	AGAATAGCCA	CATCAATT
	67201	TGCGTTGTCG	GAAATGGGCC	GTACCAACAGA	ATATTCTG	TTAGATGAGA	TCGTAGATGT
	67261	TCAGTATCAA	TTAAAATTCC	TTAATTACAT	TTTAATGCGG	ATAGGAGCAG	GAGCTCATCC
55	67321	CAACACTATA	TCCGGAACCT	CGGATCTGAT	CTTTGCCGAT	CCATCGCAGC	TTCATGACGA
	67381	ACTTCACTT	CTTTGGTC	AGGTAAAAC	CGCAATGTC	GATTATT	TTTCATATGA
	67441	TGAAGCCGT	GATCAACTAA	AGACCGCATA	CGCGCTTCC	C GTGGTCAAG	ACCATGTGAA
	67501	TGCACCTTCT	CTCGCCAGGC	GTGTTATAAT	GAGCATATAC	AAGGGGCTGC	TTGTGAAGCA
	67561	AAATTTAAAT	GCTACAGAGA	GGCAGGCTTT	ATTTTTGCC	TCAATGATT	TATTAATATT

	67621	CCGCGAAGGA	CTAGAAAATT	CATCTCGGGT	ATTAGACGGT	CGCACAACTT	TGCTTTTAAT
	67681	GACATCCATG	TGTACGGCAG	CTCACGCCAC	GCAAGCAGCA	CTTAACATAC	AAGAAGGCCT
	67741	GGCATACTTA	AATCCTCAA	AACACATGTT	TACAATACCA	AACGTATACA	GTCCTTGAT
	67801	GGGTTCCCTT	CGTACAGACC	TOACGGAAGA	GATTCATGTT	ATGAATCTCC	TGTCGGCAAT
5	67861	ACCAACACGC	CCAGGACTTA	ACGAGGTTATT	GCATAACCAA	CTAGACGAAT	CTGAAATATT
	67921	CGACGCGGCA	TTTAAAACCA	TGATGATTTC	TACCACATGG	ACTGCCAAAG	ATTGCAATAT
	67981	ACTCCACACC	CATGTACCAAG	AAAGTATTTAC	GTGTCAGAT	GCAGCCGCGC	GTAACGGAGA
	68041	ATATGTGCTC	ATTCTTCCAG	CTGTCCAGGG	ACACAGTTAT	GTGATTACAC	GAAACAAACC
10	68101	TCAAAGGGGT	TTGGTATATT	CCCTGGCAGA	TGTGGATGTA	TATAACCCCCA	TATCCGTTGT
	68161	TTATTTAACG	AGGGATACTT	CGGTGTCTGA	ACATGGTGT	ATAGAGACGG	TCGCACTGCC
	68221	CCATCCGGAC	AATTAAAAG	AATGTTTGT	TTGCGGAAGT	GTTTTCTTA	GGTATCTAAC
	68281	CACGGGGGCG	ATTATGGATA	TAATTATTAT	TGACAGCAA	GATAAGAAC	GACAACTAGC
	68341	CGCTATGGGA	AACTCCACAA	TTCCACCCCTT	CAATCCAGAC	ATGCACGGGG	ATGACTCTAA
15	68401	GGCTGTGTTG	TTGTTCCAA	ACGGAACGT	GGTAACGCTT	CTAGGATTG	AACGACGACA
	68461	AGCCATACGA	ATGTCGGGAC	AATACCTTGG	GGCCTCTTAA	GGAGGGCGT	TTCTGGCGGT
	68521	AGTGGGTTT	GGTATTATCG	GATGGATGTT	ATGTGGAAAT	TCCCACCTTC	GAGAATATAA
	68581	TAAAATACCT	CTGACATAAA	AAACATGTAT	AATAAAAAGT	CACTATAAAC	GTATTCTCTA
	68641	CAATACTTTA	TTCGCGAATA	ATACACACTA	CCTTGGGTT	TTTTTCCCGT	CCCCAAATGG
20	68701	TGTTTGGTGC	ACTCTACCA	AAAATAGAGC	GCCTAAATAT	GCTATATAAC	GCCTCCCAGC
	68761	AAAAATACGGT	TCAAAGGCAT	TACCCGATAT	TGTATTGTTAG	TACAGGGCAA	TGGGAATTGA
	68821	TGATCCCAAT	AAACGGCATA	GACGCACAGC	GGCGTTATAG	CAGGGTCTC	CAGAGTACAG
	68881	GGTATCTAAG	TACCGGGATA	TCTCATACTC	ATGCCTTTC	GTGACAGAAA	CATCAACCGG
	68941	AACAGTATCC	GATAAACCAA	CTCCTGTTT	TGCAAGCGT	AAAATCGCA	CACCTTCCTT
25	69001	TTTGCAAGA	TGTGACGTTT	CCTTGTAAAC	GGGAAGCTGG	GGGAGTGGT	AGAACAAACAA
	69061	AGTTTCAGCC	AACGTGCCAA	TAAGGCCAC	TTCCCTCAAG	AGGCTGTTG	CTGTATCCAC
	69121	AATGGTCCGT	ATTAAATCTT	GAGCAACTTG	ATCCGTTGTC	TCATCACTGG	GTAACGCGTT
	69181	AACATAACTA	CGCGTTAAAT	CTTCATAAAC	GGCATAACAA	TTAAACGCTT	CCCACCGAGA
	69241	CAGTATATAT	TGAACATCA	CGAACCGTTG	ACAGGACGTC	AGATCACGTC	CGTAAGCATG
30	69301	CCCGAAAAAT	GGAAAGTTCCC	CCCCTTCGCC	ATATACCGCA	ACAACGTGAG	TATATATCGT
	69361	CTCACGGGCT	TCATTAAGTT	CATCTTCAAG	TCCAGGCCAT	TTTCTGGCTT	TAAATATAAC
	69421	CTCGTCCGCA	AAAAAAACCG	CACATGATAA	CGCGCGGATA	CAATGAGTAG	TGGCTTTATG
	69481	GCGGAGGATCC	CAAATGTCCA	TTACCCGGGG	GATGGTCTTA	ATCTGTACAA	AGTTACTTAG
	69541	TGTAATATGA	TCGGACTCT	TACGCCGCT	AGGCTGTTTC	TCAGAATACG	GTTCACCCGA
35	69601	AATCGGCACA	TCATCTGCTT	TTACGTCTTC	CGTAACCACA	TCAGCAGCGC	GCCGACTAAC
	69661	AATTATACTT	GTTCCTTCAT	CGTCGTTACT	TCCGTTAACG	GCGCTCGTA	TCTCGGGCGT
	69721	CCCGCTCGAAT	AATCCACTCA	CTAGCTCTG	CAAACTTTCT	GGTAACCTCA	ACATACGCCAT
	69781	ATACACCAAT	AAAAAACTGG	CTTCGTTTGG	TACGTACATA	AAGCCATTG	TGGTATTAAT
	69841	GGCGGTGGGT	GTTGAAACA	ATTTTAGCTT	ATTCTCGCGC	GTAACATCTA	CCCCCGCCAC
40	69901	CAATGTTAAA	TGCGTCACGG	GGAGGGACAC	GAGATAATCT	GCGAGCGTAG	GGTCCTCCAC
	69961	TTCAACATCA	AATGTCGGC	AAAGGTCCCG	ATCCACCGCC	CCCAGTCCCG	CTGCAAGTAA
	70021	GGCCACTCGA	TCCAAAACA	CGCAGTTATT	ATTGGATGAT	ACCGCCCCATG	TCTTCCCGGT
	70081	GCGATTGAGC	TCACTTCGA	CGTAACCTGGC	AACAGATCTG	TCACCGGGTC	CGACCCCCGCG
	70141	AACAAACATGT	CCAAATTTCG	CGATCTCGCC	TCCATGTTG	CGGGGTATGG	AAATTAAGCA
45	70201	TCCCCCGCAT	ATAAAAATACG	CCCTGGTAGC	ACGCTCGTTA	AAATAAAACG	TTACGCCGT
	70261	ATAAGATACG	GTTGAATGAT	ATGGAAATTTC	CATATTAAG	CGTTTATCGG	ACATTAACCC
	70321	TCGAACCTTG	CGTCCCGTGA	TCGTGTGATC	GCCACACCTA	GGTCACACCC	GAATATGAGA
	70381	AATATATAAC	TACACGCAA	CATTCAAAAC	ACCGTGGTAT	CATTAACGTC	ATATGAAAAG
	70441	ATCCAATCAA	TCCAATCAAC	CACACCTCCT	ACCGTTAGC	ACGTCACTA	TGTGACATGC
50	70501	TCCAAACATA	CGTAAACATT	TAGAGAGGGT	GTTATAACAG	TCTGTCAAGGC	GGGGTATATT
	70561	CTACATAATA	CAAGGATCGG	CTTAACTTT	GTCAACATT	TTACTTTGG	CTATAAACTG
	70621	CGACTGAACG	TTATGAACCC	ACCCCAAGGC	CGCGTCTCGG	AACAGACAAA	GGACTTGCTT
	70681	AGCGTTATGG	TTAACCCAGCA	CCCCGAAGAG	GACCGAAAAG	TGTGAAATC	CAGTGATAAT
	70741	TCACCGCTTT	ATAAACACCAT	GGTTATGTTA	TCGTATGGGG	GTGATACGGA	CTTACTATT
	70801	AGCTCTGCAT	GTACCCGCAC	ATCTACCGTA	AACAGGTCGG	CGTTTACGCA	ACACTCCGTG
55	70861	TTTATATTAA	TATCCACGGT	GTTGATTCAA	CCAATATGTT	GTATCTCTT	TTTTTTTAC
	70921	TATAAAAGCGA	CACGCTGTAT	GCTCTTATTC	ACAGCCGGGT	TACTTCTGAC	GATTCTACAT
	70981	CACTTCGAC	TTATTATTAT	GTTATTGTTG	GTCTACAGAA	ATATACGATC	AGACCTGCTA
	71041	CCCTTATCTA	CATCCCAGCA	ACTGCTGCTT	GGAAATTATTG	TTGTGACTCG	AACAATGCTA
	71101	TTTGTATTA	CGGCGTATTA	TACTCTTTT	ATAGACACCC	GGGTGTTCTT	TTTGATTACC

	71161	GGACACTTGC	AAAGTGAGGT	TATTTTCCA	GATAGCGTTT	CAAAAATACT	TCCTGTGTCG
	71221	TGGGGTCCAA	GTCCAGCGT	GTAACTGGTA	ATGGCGGCAG	TTATTTACGC	TATGGACTGT
	71281	TTGGTGGACA	CGGTATCCTT	TATTGGGCCA	AGGGTGTGGG	TCCGTGTTAT	GTAAAAAACAA
5	71341	TCTATTCGT	TTTAGTCCAT	TTCAATAAAT	GTACTATAAT	TGTCAGTCT	AAAAATAATG
	71401	TTGGGTATTT	ATAATTACCG	CCCCGTGTT	ACTTGGAAAC	ACCCATACAT	ATGTTCCACT
	71461	CTACATCAAA	CTTCTCGCAG	TTTCTTGTG	CCCGCACACG	TTTACACGTC	CGGATTCAAG
	71521	TCGCAACGCT	GCTGACAAAA	TGACAACGGT	TTCATGTCCC	GCTAACGTGA	TTACTACAAC
	71581	GGAATCTGAT	CGTATTGCTG	GGTTATTTAA	CATCCCAGCG	GGGATCATT	CAACTGGAAA
10	71641	TGTGCTGTCA	ACCATAGAGG	TGTGTGCACA	CCGTTGCATT	TTTGATTTT	TTAAACAAAT
	71701	ACGATCAGAT	GATAACAGCC	TTTACTCGGC	TCAATTGAT	ATTCTTTG	GGACATACTG
	71761	CAATACATTA	AACTTTGTG	GTTTCTAGA	ACTTGGACTG	TCTGTCGCTT	GCATCTGTAC
	71821	TAAATTCG	GAGCTGGCTT	ACGTGCGAGA	TGGCGTTATT	CAATTGAGG	TACAACAAAC
	71881	CATGATAGCA	CGTATGGCC	CACATCCCCT	CGATCAGCCT	GTTCATAATT	ATATGGTTAA
15	71941	GCGGATACAC	AAGCGTTCGT	TAAGCGCTGC	TTTGCAATT	GCATCGGAAG	CGTTGAGTTT
	72001	GTAAAGTAAC	ACATATGTCG	ATGGGACAGA	GATTGACTCA	TCGTTACGTA	TAAGAGCTAT
	72061	CCAACAGATG	GCTCGTAATT	TACGCACCCT	TTTGGACTCA	TTTGAACAGG	GCAC TGCCGA
	72121	TCAACTTCTT	GGTGTCTAT	TGGAGAAAGC	CCCACCGCTA	TCGCTGCTT	CACCAATTAA
	72181	TAAATCCAA	CCCGAGGGAC	ATCTAAATCG	TGTTGCACGC	GCGGCCCTAC	TTTCGGACCT
20	72241	CAAACGTAGA	GTCTGTGCGG	ATATGTTTT	TATGACCCGA	CACGCCAGGG	AACCTAGGCT
	72301	GATCTCTGCG	TATCTGTGCG	ATATGGTTTC	GTGCACCCAA	CCATCGGTGA	TGGTATCAGC
	72361	AATAACTCAT	ACAAACACTC	GCGGACGGCA	GGTTGACGGT	GTGTTGGTAA	CAACAGCAAC
	72421	CTTAAAACGG	CAACTATTAC	AGGGAAATT	ACAAATTGAC	GACACCGCCG	CTGACGTACC
	72481	AGTAACATAT	GGCGAAATGG	TTCTACAGGG	GACAAACTTG	GTAACCGCCC	TTGTGATGGG
25	72541	AAAGGCCGTC	CGCGGAATGG	ATGATGTAGC	CCGCCATCTC	CTTGATATAA	CCGACCCCTAA
	72601	CACGTTAAC	ATACCGTCTA	TACCCCCACA	ATCCAACCTC	GATTCAACGA	CAGCTGGGCT
	72661	TCCGGTTAAC	GCCCCGTGTC	CTGCGGATT	AGTGTGTT	GGGGATAAAC	TTGTATTCTT
	72721	AGAAGCATT	GAACGGCGGG	TCTACCAAGC	TACGCGCGTT	GCCTACCCCTC	TTATTGGAAA
	72781	TATAGATATT	ACGTTATCA	TGCCAATGGG	AGTGTGTTAG	GCAAACCTCA	TGGACAGATA
30	72841	TACACGACAC	GCCGGCGATT	TTTCAACTGT	ATCCGAACAG	GATCCACGTC	AATTCCACC
	72901	CCAAGGGATT	TTTTTTATA	ATAAAGATGG	GATATTAACA	CAGTTGACTC	TTCGTGATGC
	72961	AATGGGTACC	ATCTGCCACA	GTTCATTGCT	TGATGTCGAG	GCCACACTG	TTGCCCTCCG
	73021	CCAACAACAT	TTAGATCGTC	AGTGTGTTTT	TGGGTGATAC	GTGGCCGAGG	GTACAGAGGA
	73081	CACATTGGAT	GTTCAAATGG	GGAGGTTTAT	GGAAACGTGG	GCAGATATGA	TGCCTCATCA
35	73141	CCCTCATTGG	GTAAACGAAC	ATTAAACAAT	TCTACAGTTT	ATAGCTCCGA	GCAACCCGCG
	73201	TCTAAGGTTT	GAATTAAACC	CCGCCTTGA	TTTTTTGTT	GCACCGGGGG	ACGTAGACCT
	73261	TCCCGGACCG	CAGCGTCCCC	CGGAAGCCAT	GCCAACCGTT	AACGCAACAT	TACGGATTAT
	73321	CAACGGAAAC	ATTCCCGTGC	CTCTATGTCC	CATTTCATT	CGAGACTGTC	GCGAACCCCA
	73381	ACTCGGTTTG	GGAAGACATA	CAATGACCCC	GGCAACCATT	AAAGCCGTAA	AGGATACATT
40	73441	TGAAGACCGC	GCATACCCAA	CTATTTCTA	CATGCTAGAG	GCTGTTATTC	ATGGAAACGA
	73501	AAGAAACCTC	TGTGCGTTAC	TGCGACTGTT	AAACACAGTGT	ATTCGCGGGT	ATTGGGAGCA
	73561	ATCCCACAGG	GTGGCATTG	TAATAACTT	TCACATGTTA	ATGTACATAA	CTACATATCT
	73621	CGGAAACGGT	GAGCTTCCCG	AAGTCTGTAT	TAATATATAT	CGGGATTTCAC	TGCAGCATGT
	73681	AAGAGCATT	CGCCAAACTA	TAACCGATT	TACAATACAA	GGAGAGGGCC	ATAACGGCGA
45	73741	GACCTCGGAA	GCGCTAAATA	ACATCCTTAC	GGATGACACG	TTTATTGAC	CTATTCTATG
	73801	GGATTGTGAT	GCGTTAATAT	ACCGTGTGTA	AGCCGCCGA	GACCGACTCC	CCGCAATTG
	73861	TGTAAGCGGG	CGAAACGGAT	ACCAAGCCCT	TCACTTGTG	GATATGGCCG	GGCATAACTT
	73921	CCAACGACGC	GATAATGTGT	TAATCCACGG	GAGACCCGTT	CGGGGAGACA	CGGGTCAGGG
	73981	TATTCCATT	ACTCCACACC	ATGACCGTGA	ATGGGGTATT	CTCTCCAAGA	TTTACTACTA
50	74041	TATTGTCA	CCTGCATT	CCCCGGGTT	CTGTTGTACA	ATGGGCGTGC	GTTATGATCG
	74101	CCTATACCCCT	GCGTTACAGG	CAGTTATCGT	TCCGGAAATT	CCCGCTGATG	AAGAAGCCCC
	74161	AACTACCCCA	GAAGATCCAA	GACACCCCTC	TCACGCACAC	CAACTCGTC	CGAACTCTCT
	74221	TAACGTTTAC	TTCCATAATG	CACACCTAAC	CGTTGATGGT	GATGCATG	TCACACTACA
	74281	AGAGTTAATG	GGAGATATGG	CTGAACGAAC	GACGGCCATT	TTAGTATCAA	GCGCCCCCGA
55	74341	TGCGGGAGCC	GCCACGGCAA	CAACCAAAA	TATGAGAATA	TATGACGGAG	CGCTTACCA
	74401	TGGCCTTATT	ATGATGGCAT	ATCAGGCGTA	CGATGAAACC	ATTGCAACGG	GTACTTTTTT
	74461	TTATCCCGTT	CCGGTCAACC	CTCTGTTG	ATGTCCGGAA	CATTGGCAT	CATTGGCGTGG
	74521	AATGACAAAT	GCTAGGGGG	TTTGGCAA	AATGGTACCA	CCAATCCCTC	CTTTCTGGG
	74581	AGCCAACCAC	CACGCAACTA	TACGCCAAC	CGTTGCCTAC	CATGTAACGC	ATAGTAAGTC
	74641	GGATTAAAT	ACTCTTACAT	TTGAGGGTAT	TTTAAGTTA	CACCAATATC	

	74701	TCTTACACAT	CAACTACGAA	CGGGATTCA	CCCCGGGATT	GCCTTTACCG	TAGTGCGCCA
	74761	GGATCGCTT	GCCACAGAGC	AACTTTATA	TGCCGAGCGT	GCTTCTGAAT	CGTACTTTGT
5	74821	CGGACAAATC	CAAGTACACC	ATCATGATGC	TATGGGGGG	GTAAACTTTA	CCCTAACCCA
	74881	ACCCAGAGCT	CACGTGGACC	TGGGAGTCGG	GTATACAGCT	GTATGTGCCA	CAGCAGCCCT
	74941	GCGATGCCCT	CTCACGGATA	TGGGCAATAC	TGCCCCAAAT	CTTTTTTTT	CACGAGGAGG
	75001	AGTGCCAATG	TTACATGATA	ACGTTACCGA	ATCGTTGCGT	CGTATAACAG	CATCGGGGGG
10	75061	TCGCTTAAAT	CCCACCGAAC	CCCTACCCAT	CTTCGGCGGA	CTACGTCTG	CTACATCGGC
	75121	AGGAATTGCA	CGAGGGCAAG	CCTCTGTGTG	TGAGTTTGTG	GCCATGCCGG	TGTCCACTGA
	75181	CCTACAATAT	TTTAGAACTG	CATGCAATCC	TAGAGGTCGA	GCATCTGGAA	TGTTATATAT
	75241	GGGTGACCGT	GACGCCGACA	TAGAGGCTAT	AATGTTGAT	CACACACAAT	CGGATGTTGC
15	75301	TTATACAGAT	CGAGCAACTC	TTAACCCATG	GGCATCACAA	AAACATTCA	ACGGTGACAG
	75361	GCTATACAAC	GGAACATACA	ACCTTACAGG	CGCTTCTCCT	ATCTACAGCC	CATGCTTAA
	75421	GTTTTTACA	CCAGCGGAGG	TAAACACTAA	TTGTAATACA	CTGGATCGGC	TTCTAATGGA
	75481	GGCAAAGGCT	GTGGCGTCGC	AAAGCTCCAC	CGACACTGAA	TATCAATTAA	AACGCCCTCC
20	75541	CGGTTCTACC	GAAATGACAC	AGGATCCGTG	TGGCCTTTT	CAAGAACAT	ATCCACCACT
	75601	ATGCTCAAGC	GATGCCGCCA	TGTTACGAAC	GGCTCACGCG	GGAGAAACCG	GGGCAGATGA
	75661	AGTTCACTTA	GCCCAATATC	TGATTGAGA	CGCGTCGCC	CTTAGGGGAT	GTCTTCTCT
	75721	TCCCGCATAA	TTTCACCACG	CCACACATACC	CACTCCCAAT	AAAAGCCCTG	TAGAGCGCAT
25	75781	TGGCATCTTA	CTTGAGATT	GGATACGCTC	GGCCGACTTG	GTCTGTTCA	CGCTTCCCTTA
	75841	AACAACATGG	CTATGCCATT	TGAGATAGAG	GTATTGTTAC	CAGGAGAACT	ATCCCCGGCC
	75901	GAAACATCTG	CATTACAGAA	ATGTGAGGG	AAAATTATTA	CCTTCTCAAC	CCTGCGTCAT
	75961	CGAGCTTCAC	TGGTGGATAT	AGCGCTGTCG	TCATATTACA	TTAACGGTGC	TCCACCAGAC
30	76021	ACGCTCTCGC	TGTTAGAGGC	ATACCGAATG	CGATTGCGGG	CAGTTATAAC	ACGGGTCATC
	76081	CCGGGAAAGT	TGTTGGCGCA	TGCCATTGGC	GTGGGTACTC	CTACACCCGG	GTTGTTTATT
	76141	CAAAATACAT	CCCCCGTTGA	TCTTTGTAAT	GGCGATTACA	TCTGCTTACT	TCCTCCGGTT
	76201	TTGGGGTCCG	CAGACTCAAT	TCGCTTGGAC	TCTGTAGGAC	TGGAAATTGT	TTTCCCTTTA
	76261	ACCATCCCCC	AGACCTTAAT	GCGAGAAATC	ATCGCCAAAG	TGGTTGCACG	GGCCGTTGAG
	76321	CGCACGGCCG	CGGGTGTCTA	AAATTTCACCC	CACGAAGTT	TACGAGGCGC	GGATGTCATT
35	76381	TGTTACAATG	GAAGGCGTTA	TGAACCTGAA	ACAAATTAC	ACATCGGGA	CGGATCGGAT
	76441	GCGGCTATTTC	GCACATTGGT	TTTAAATCTA	ATGTTTCCA	TAAACGAGGG	ATGCTGCTT
	76501	TTATTGGCGC	TGATTCCAAC	TTTGTAGTC	CAAGGAGCAC	ACGACGGTTA	TGTAATTAA
	76561	TTGATACAAA	CGGCCAATTG	CGTTAGAGAA	ACCGGCCAGT	TAATTAATAT	ACCGCCAATG
40	76621	CCGCGGATTTC	AAGACGGCCA	TCGCGATT	CCCATATATG	AAACTATTTC	ATCTTGGATA
	76681	TCAACATCAT	CTAGACTGGG	GGATACCTTG	GGAACTCGCG	CAATTTCAG	CGTCTGTGTG
	76741	TTTGATGGAC	CCTCTACTGT	TCATCCGGGA	GACCGCACGG	CCGTGATTCA	AGTGTAAACA
	76801	GGTGTAAATA	AAAACACAAAC	CAGTCTAGTT	ACATTTCACG	CGTCTTGT	TTATTTAATA
	76861	GGCATAAAACA	CGGAATCCGG	TATACATGAA	CTGCCAATAT	ACACGGACAT	AATTAATGCA
45	76921	ACCATCAGAT	CATCTGACAT	TGTTCCCGTG	GTACCTTAC	CCGTGTAAGT	TTTTGTGTCT
	76981	AGATTACCCA	TACCGCCTT	AATTACCTCT	GTCAGGTTAT	CCAACTGTT	ACATAGATAC
	77041	TCCACGGGGT	CTACACTAA	CTTTACTGT	AGGGATACAA	GCTCCTGTGA	GGCTATTATA
	77101	TTTCCGGAGT	TAAATCGTT	AAACAAATAG	TCTACGGCCG	GCGTTTTTG	TTTTTGTAA
	77161	AAAAAAAAG	GGTACGCCAC	GCTACATCCG	GGAGGGTATGG	AATGATAAAA	CAGTAACACT
	77221	GGAGCGGAAG	ATAGCACGTT	TCCCTTTCG	AGGACAGCAA	ACTGTTGTG	TATAGCCAAC
50	77281	GATATGGCAA	CTGCAGAAC	CTGGCTGCTG	TTTCCTCTA	TAGAAACGTG	TACGTTGTG
	77341	AATGTATTGG	GGTGTAAAGC	GAGTATGTGG	CCTAACGATT	GAGTAACGCA	ACGCCCTATC
	77401	TCACTGGAAG	ACGTGCCAGT	TAAAGCTCTA	AGAAAAAAAGT	GCTCCAATCC	AAATATAATC
	77461	CAATCCGACT	TATAACGACC	AAACATCGCT	ACACCAAGTAC	CAGACGCTCG	TGTATTTGAG
	77521	GTAAATGCG	GGTCTACGTA	AACTGACAAAC	ACTGACGATA	ATATAGCACA	ATTGCAACG
	77581	GTTGACGGCC	GATATAAAAT	AAACCTCTA	CGGGCAGTT	TTGTAAATAA	TGGCCGGTCA
55	77641	AACCCCCACAC	CCCCAGAATT	CTGTTACGC	CCACCTACAA	TTTCCTGCAC	GAAGGGCTTA
	77701	GCCATAAAATA	AATCTGCAGT	GCGCCGCATG	GCTCCATCCA	CTAAAACACG	CGGCATGTGA
	77761	TTTAATACAT	AACACGAAAC	AGCTGTGACA	TCGCTATGTG	ACGATCCACG	TAAGTTATAC
	77821	TCGTCGCATA	CATATGTAAC	AACTGTTAAC	AACTGATCCG	CAAAAATAAT	TTTACAATTG
	77881	AAAAAAACTTG	TACTTGCTT	TCCGGTATT	GTTGATGAA	GTCGAATAAA	ATTAGCTCA
	77941	GTTTGATTAA	AAAATCCGAC	TATAGTTGT	ACAGCATCAG	GGAACGATAG	AAAGATATAT
	78001	TCCACAAACA	GAAGATTTAA	ATCTTGACCT	CGGATACCCCT	GTACGTAAAA	AATGTTTGAA
	78061	AGTTACCCCA	CCAAAGTTTA	AATGTATCCT	TAAATACCCAC	CGGTGTATAA	TGGAAGCCCCA
	78121	TACGTACATA	TTTCTTTTT	TTTCCAGTA	CAACCATATC	CACACAAAAG	GATTACTACA
	78181	TTTGGCAAAT	GAAACCAAAC	ATGCACTTTG	GCATAATGAT		

	78241	CGTTGTGATA	CCTAACGGCGG	GGCTTATTGC	GGCCCGAATA	GATCCCGCAT	TACTGATTTT
	78301	AAAGAAACCC	GGACAAACGCT	TCAAGGTTGA	AGTACAAACA	AGATATCATG	CTACAGGGTCA
	78361	ATGCGAACCG	TGGTGTCAAG	TTTCGCCCCG	GTACATTCCC	GATAACGCC	TAACAAATCT
	78421	CTTAATACCA	AAAACGGAAC	CATTTGTTTC	ACACGTTTT	TCGGCCACGC	ATAATTCAAGG
5	78481	GGGATTGATT	TTATCATTGC	CTGTTATCT	TAGCCCCGGT	TTATTCTTG	ATGCATTAA
	78541	CGTTGTAGCG	ATACGAATAA	ATACTGGAAA	CCGCAAGCAC	CGTGATATT	GTATTATGTA
	78601	TGCAGAACTA	ATCCCAAACG	GAACGCGTTA	TTTGCTGAT	GGACAACGGG	TACTTTTATT
	78661	ATGCAAACAG	CTGATTGCGT	ATATCCGATG	CACCCCTCGT	CTTGCATCGT	CTATAAAAAT
	78721	ATACCGAGAG	CATATGGTGG	CAGCCATGGG	TGAATCACAC	ACGTCAAATG	GGGACAATAT
10	78781	TGGACCCGTT	TCATCCATAA	TCGATCTG	TCGACAGTTA	ACTTCTGGAG	GTATTGATGA
	78841	CTCCCCTGCT	GAAACACGCA	TACAGGAAA	TAATCGGGAC	GTCCCTGAGC	TAATAAAACG
	78901	GGCCGTTAAC	ATTGTTAACT	CCAGGCACCC	CGTCCGACCT	TCTAGTTCCC	GCCTTGCATC
	78961	TGGGTTGCTT	CAAAGTCAA	AGGGCCACGG	AGCGCAAAC	TCCAACACAG	ATCCGATCAA
	79021	TAACCGTTCC	TTTGATGGCG	TCCTTGAGCC	GCCTGGACAA	GGGCGATTTA	CGGGAAAGAA
15	79081	AAACAATTG	TCCGCCAGCA	TCCCACCTT	ACAAGACGTT	CTATTGTTA	CCCCAGCTTC
	79141	GACAGAACCC	CAAAGTCTTA	TGGAATGGTT	CGACATCTGT	TATGCCAAT	TAGTTAGCGG
	79201	GGACACTCCA	GCAGATTCT	GGAAACGGCG	TCCCCCTATCA	ATTGTACCGC	GACATTACGC
	79261	AGAATCCCCC	AGTCCGTTGA	TTGTAGTATC	TTACAACGGA	TCCTCTGCCT	GGGGAGGAGC
	79321	TATTACCGGA	AGTCCAATT	TATATCACTC	TGCACAGGCT	ATTATTGATG	CTGCGTGTAT
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	79441	GCGTTTACCG	TTTTTGCTA	ACGTCTAA	TAATCAAACC	CCCTTACCCG	CCTTTAAACCC
	79501	AGGCGCCGAA	ATGTTTTAA	ACCAGGTATT	AAACAAAGCG	TGTGTGACAT	CGCTAACCCCA
	79561	AGGTCTTATA	ACGGAGTTAC	AAACGAACCC	GACTCTACAA	CAACTCATGG	AATATGATAT
	79621	TGCAGATTCT	TCCCAAACGG	TTATTGATGA	AATTGTAGCC	CGCACACCCAG	ACCTGATTCA
25	79681	GACTATAGTT	TCGGTGTAA	CGGAAATGTC	AATGGATGCG	TTTTATAACA	GCTCCTGAT
	79741	GTATGCGGTT	TTGGCGTATC	TGTCATCTGT	ATATACACGA	CCACAAGGTG	GGGGGTATAT
	79801	ACCCTACCTT	CACGCTCCT	TCCCATGCTG	GTAGGTAAT	CGTTCTATAT	ATTTATTGTA
	79861	CTATTATAAT	TCAGGAGGGG	AAATACTTAA	GCTTCCAAG	GTCCCCGTT	CCGTAGCCTT
	79921	AGAAAAGGTT	GGTATTGGTA	ATTCCACACA	ACTGAGGGGT	AAATTATAC	GCAGCGCGGA
30	79981	TATTGTTGAT	ATTGGAATT	GTTCTAAGTA	TTTACCCGGT	CAATGTTACG	CGTACATTG
	80041	TCTAGGATT	AACCAGCAAT	TACAATCCAT	TTTAGTTTA	CGGGGGGAT	TTGCGGCATG
	80101	TTTTTGTATT	ACCGATACCC	TACAGGCAGC	ACTACCTGCA	TCGTTAATCG	GACCTATTCT
	80161	AGACAGATT	TGCTTCTCTA	TTCCCAACCC	CCATAAAATAA	ATTAGTGTCA	CTATAAAAAC
	80221	ATAAACACCAG	AATCTCTCA	TATGTAATT	TACGTCA	CTCCCCTTTC	CACCCCTCT
35	80281	TAAAATATAA	AATAACGGG	TGGGTGGCAT	TAACCCACA	AGTACCCGGG	CGGCAATCCG
	80341	CTAGACTGTT	TTTCTGCTCA	TGGAATTACA	ACGCATATT	CCGCTGTACA	CCGCTACGGG
	80401	TGCAGCGCGC	AAATTAAACCC	CCGAGGCAGT	TCAGAGACTC	TGCGATGCAT	TAACGCTGGA
	80461	TATGGGATTA	TGGAAGTCCA	TCCTGACCGA	TCCCCGGGTG	AAAATAATGC	GATCAACTGC
	80521	TTTTATAACT	TTAAGGATCG	CTCCGTTTAT	CCCCCTCAA	ACGGATACTA	CTAATATTG
40	80581	CGTTGTTGTA	GCCACAAATT	ACATCACCGC	CCCACGTCAG	ATGAACCTAC	CTCCGAAGAC
	80641	TTTCATGTA	ATTGTAATT	TTAATTACGA	GGTCTCGTAC	GCAATGACGG	CGACTTTAAG
	80701	AATTTATCCG	GTTGAAAACA	TAGACCATGT	TTTTGGAGCA	ACGTTTAAGA	ACCCGATCGC
	80761	GTACCCCCCTT	CCAACATCTA	TTCCGGATCC	TCGAGCAGAT	CCCACCCCCG	CAGATCTTAC
	80821	ACCAACGCCA	AACTTAAGCA	ACTACTTACA	ACCCCGCGG	CTTCCGAAAAA	ATCCATACGC
45	80881	ATGTAAAGTT	ATTTCTCCG	GAGTGTGGTG	GTCAGACGAA	CGAAGGCGTT	TATATGTA
	80941	GGCTATGGAA	CCTAATTAA	TAGGGCTATG	TCCCGCCGGA	TGGCATGCTC	GGATACTTG
	81001	CTCTGTATTA	AATCGACTCC	TCAGCCATGC	GGACGGATGT	GATGAATGTA	ATCATAGAGT
	81061	TCACGTGGGG	GCACTGTATG	CGTTACCCCA	TGTACAAAT	CATGCGGAAG	GTTGTGTG
	81121	TTGGGCTCCG	TGTATGTGGA	GAAAGGCCGG	TCAGCGGGAA	TTAAAAGTGG	AGGTAGACAT
50	81181	TGGCGCCACG	CAGGTTCTT	TTGTAGATGT	CACCCACCTGC	ATTCGAATTA	CGAGTACTAA
	81241	AAATCCTCGC	ATTACCGCAA	ATCTTGGCGA	CGTTATAGCG	GGAACCAACG	CCAGTGGTCT
	81301	CTCTGTACCA	GTAAATTCTA	CTGGGTGGCA	GCTTATATG	TTTGGAGAAA	CATTAAGCCG
	81361	GGCTATTATT	AACGGCTGTG	GTCTGCTTC	GCGAATTTC	TTCCCCGAGA	CACAAAGATT
	81421	ATCGGGTGAA	CCGGAACCTA	CAACCACCTA	GTATACCTTA	ACTCAACCGC	CGTTGTGGAA
55	81481	AGGTATATGT	CAACATTAC	AGTAATAT	TAAAGGTTAA	ATTTATAAAA	CACTCACGTT
	81541	TGTGTTGTGA	CTTGACCGGA	ACACCGCTGT	GCTGTAAGAC	CCGTCGGTAA	ATGAAAACGT
	81601	AATAGATTG	CCTTTTACAT	GATCCACGTA	ATTTGCCCTA	AACCACTGTT	CCAGGCGAGA
	81661	CTTGATACCC	TCAAACACGG	GTTCCGTTGC	TTTGCCTATA	TGAGCCGTAT	AACCCACTTT
	81721	AATTCCCTCTA	AACGTGGCCA	TTACTAAAGC	TATTAATGGT	ACAAGAAACC	ATGTTTCCC

	81781	ATGTCTACGT	GGTACCAAAA	ACACAGTTGA	TTTTGTTTG	AAGTGTCTA	AAACACTGTC
5	81841	AGAAACACTT	GGCGTGTAA	ACACTGTACG	CAGAAAGCAG	TCAACTCTGT	CGGCATGATC
	81901	GCCCAATAGC	ACCGATGAAA	TAAAATGCGT	GGTGTGCATG	AGGATCATTT	TTGAAACAG
	81961	TTCCAACGTC	CCCTTATATC	TGCCATAGAT	TGGAACGTCA	ACCTTGCAG	GTTGCCATG
10	82021	ACTTCCACAC	TCTTCAATAAC	TCTCAAAAGA	TGTTTCCACA	AGGTACGAAA	ACCGTTGTGT
	82081	AAAGGTAGAC	AACTGACAGA	AACTATCCGA	CAGAGAAAAC	GCGGAAATG	TGTTCATAAAC
	82141	ACCGCTATAC	GCATTTCGAT	GAGGTGCTGC	TTCTTCCGGT	GAATATTCTAT	AAAATGTAC
	82201	ACTACTGACA	GCCTTTTTA	ATTCAAGGGCT	TACGTTTGCA	TTTACCGAAT	ATGCCATGG
	82261	TTTCAAAACT	ACATTGGGGG	TACAGTTGTA	CCCTGTTGAC	GATAGAAAACG	CGCCAAACAT
15	82321	TGCCCGTCGA	GCAGTAGCCG	AGAACAGTGG	AATATATTCA	CAACAGTTGT	GAAGCGTTCC
	82381	AATTCCGGGA	ATAACGGCCT	GATGACGTG	GGTTACATCT	ATAGAAAAT	TCAGAAACGG
	82441	GATTGGGTT	CGTTCATCCC	GAGACCCTTG	CCGCGTGGAA	CACGGGGTAG	GGGACTCCAA
	82501	CGTCCCAAAG	TACGACGCTT	TAGACGTTCA	AAATATCTTA	CAGATTCTTC	
20	82561	ACCAAGCGTA	CGACCAAACA	TTATCAATGA	CATTAAACAT	CAATTACAGG	AATCCGCCTC
	82621	ATCTCTGT	AGCAGTAAA	CAGGAAGCCG	CGTCATCTTA	CGTACTCGTT	ACGTATATAT
	82681	CATAAACATT	TTCAGGGCCG	CATTCAATTCA	CTTTGGTCAT	GTCAGGCCAC	ACTCCAACCT
	82741	ACGCTTCTCA	TAGGCGTAAC	CGTGTAAAC	TAGTTGAGGC	GCATAACCGC	GCGGGTTAT
	82801	TTAAAGAACG	GACCCTCGAT	CTAATCCGTG	GGGGTGCAG	TGTACAAGAT	CCAGCATTG
	82861	TGTATGCCCT	TACTGCTGCA	AAAGAGGCCT	GCGCCGATTT	AAATAACCGA	CTCCGCTCTG
25	82921	CAGCTCGCAT	AGCTTCAGTT	GAACAGAAGA	TTCGTGATAT	ACAATCCAAG	TTGAGGAAC
	82981	AAACAAAGTAT	TCAACAGATT	TTAAATACAA	ACAGACGCTA	TATAGCACCC	GATTTTATTTC
	83041	GCGGTTGG	TAAAACAGAA	GACGATAATA	CCGATAATAT	AGACAGACTG	GAAGACGCGG
	83101	TAGGACCGAA	CATCGAACAC	GAAAATCATA	CTTGGTTGG	AGAAGACGGAC	GAAGCGTTAC
	83161	TTACACAAATG	GATGCTGACG	ACACACCCCC	CAACCTCCAA	ATATCTCAA	CTGCAGGACC
30	83221	TTTGCCTTCC	CACCACAATA	CCGACGGACA	TGAACCAAAT	GCAACCGCAG	CCGATCAGCA
	83281	AGAACGAGAA	TCCACCAACC	CCACACACGG	ATGTGTAAAT	CATCCATGGG	CCAATCCGTC
	83341	AACTGCAACA	TGCATGGAAT	CACCAGAACG	ATCACAACAG	ACAAGCTTAT	TTTATTAAA
	83401	GCACGGCTTA	ACGAGAGATC	CAATACATCA	ACGCGAAAGG	GTGGACGTTT	TTCCACAATT
	83461	TAACAAACCC	CCATGGGTTT	TTAGAATTTC	CAAATTATCC	CGTTTAATTG	TACCCATCTT
35	83521	CACGCTCAAT	GAACAGTTAT	GTTTTCTAA	ATTACAGATT	CGAGATAGAC	CCAGGTTTGC
	83581	GGGACGGGG	ACGTATGGC	GTGTTCATAT	ATACCCATCG	TCAAAAATAG	CTGTAAAAAC
	83641	CATGGACAGT	CGTGTGTTTA	ATAGAGAGTT	ATTAACGCG	ATTTTAGCGA	GTGAGGGTTC
	83701	TATACGAGCA	GGGGAAAGGC	TAGGTATTTC	TAGCATAGTT	TGCCTTTAG	GTTTTTCGTT
	83761	ACAAACCAAA	CAGCTACTGT	TTCCGGCATA	CGACATGGAT	ATGGATGAAT	ACATTGTTG
40	83821	CCTGTCCAGA	CGGTTGACAA	TACCTGATCA	CATAGACAGA	AAAATTGCC	ATGTATTTT
	83881	AGATTGGCT	CAAGCGTTGA	CGTTTTAAA	TCGAACGTGC	GGCCTGACCC	ACCTAGATGT
	83941	GAAATGTGGC	AATATTTC	TTAACGTCGA	CAACTTGCC	TCGTTGGAAA	TAACCACAGC
	84001	AGTAATCGGA	GAETATAGCC	TAGTAACATT	AAATACGTAT	TCCCTTTGTA	CTCGAGCGAT
	84061	ATTGAAGTT	GGAAATCCAT	CCCACCCGGA	GCACGTACTA	CGCGTACCCC	GGGATGCATC
45	84121	GCAGATGTCA	TTTCGTTTG	TGTTGAGTC	TGGAACAAAC	CAACCCCTG	AAATCTTGCT
	84181	TGATTATATT	AATGGAACGG	GCCTTACTAA	ATATACTGGA	ACCTGCCCC	AAAGAGTTGG
	84241	ACTTGCAGATT	GATCTTATG	CATTGGGCCA	AGCACTCTTA	GAAGTTATCC	TGCTAGGACG
	84301	TCTTCCCGGA	CAACTGCCA	TTTCAGTACA	TCGGACCCCG	CATTATCACT	ACTACGGTCA
	84361	TAAGTTATCA	CCAGATTGG	CGCTTGATAC	GCTGGCATAT	CGATGTGTCC	TGGGCCATA
50	84421	TATACTCCA	TCTGACATCC	CGGGGGACTT	AAATTATAAT	CCCTTATAC	ACGCCGGAGA
	84481	GCTGAACACC	CGTATTTC	GGAAATTCTTT	ACGCCGGATA	TTCCAGTGTG	ACGCAGTGC
	84541	TTACGGCGTA	ACGCACCAA	AGCTTTTCGA	AGGCATACGC	ATTCCGGCCT	CATTATACCC
	84601	AGCCACTGTT	GTTACATCGT	TGTTGAGTC	CGATAATTCA	GAAATACGCT	CGGATCACCC
	84661	TTTATTATGG	CACGATCGGG	ATTGGATAGG	ATCGACATAA	GCCCCCAGCC	AGCCAAAAAA
55	84721	ATTGCCCGTG	TGGGAGGTCT	ACAGCACCC	TTTGTAAAAA	CGGATATTAA	CACGATTAAC
	84781	GTTGAACACC	ATTTTATAGA	CACGCTACAG	AAGACATCAC	CGAACATGG	CTGTCGGGG
	84841	ATGACAGCGG	GTATTTTAT	TCGTTTATCC	CACATGTATA	AAATTCTAAC	AACTCTGGAG
	84901	TCTCCAAATG	ATGTAACCTA	CACAACACCC	GGTTCTACCA	ACGCACTGTT	CTTTAAGACG
	84961	TCCACACAGC	CTCAGGAGCC	GGTCCCGGAA	GAGTAGCAT	CCAAATTAAAC	CCAAGACGAC
	85021	ATTAACCGTA	TTCTATTAAAC	AATAGAATCG	GAGACTCGTG	GTCAGGGCGA	CAATGCCATT
	85081	TGGACACTAC	TCAGACGAAA	TTAATCACC	GCATCAACTC	TTAAATGGAG	TGTATCTGGA
	85141	CCCGTCATT	CACCTCAGTG	GTTTACCC	CATAACACTA	CAGACACATA	CGGTGATGCG
	85201	GGGGCAATGG	CGTTTGAAA	AACCAACGAA	CCGGCGGCAC	GAGCGATAGT	TGAAGCATTG
	85261	TTTATAGATC	CGGCTGATAT	CCGTACTCCT	GATCATTAA	CGCCAGAACG	TACAACTAAG

	85321	TTTTTAATT	TTGACATGCT	CAATACCAA	TCTCCAAGTC	TCCTTGTGGG	TACACCAAGA
	85381	ATCGGAACGT	ATGAATGTGG	ACTTTTAATC	GACGTTGAA	CGGGACTTAT	AGGCGCGTCG
	85441	TTGGACGTT	TTGTATGTGA	CAGGGACCC	TTAACCTGGCA	CCCTAAATCC	CCACCCCTGCA
5	85501	GAAACCGACA	TTTCATTTT	TGAAATTAAA	TGTGGTCTA	AATACTCTT	TGATCCAGAT
	85561	GACAAAAATA	ACCCGCTCGG	TCGGACGTC	ACCACGTTAA	TAAATAGACC	TACAATGGCA
	85621	AATCTACGGG	ACTTTTATA	TACTATAAAA	AACCCATGTG	TAAGCTTCTT	TGGACCCCTCA
	85681	GCAAACCCAA	GTACACCGGA	GGCCTTAATA	ACGGATCACG	TTGAATGAA	ACGTTTAGGA
	85741	TTTAAAGGTG	GGAGGGCCCT	TACAGAACTC	GACGCCCATC	ATTGGGCCT	CAATCGGACA
10	85801	ATCTCATCCC	GAGTGTGGGT	ATTTAATGAT	CCGGACATAC	AAAAGGGGAC	AATTACAACC
	85861	ATTGCATGGG	CCACTGGAGA	TACGGCTCTT	CAAATTCTG	TATTTGCCAA	TCCCGGGCAC
	85921	GCTAACTTTA	AACAAATTGC	CGTACAAACC	TATGTATTAT	CCGGTTACTT	TCCAGCGCTA
	85981	AAACTACGGC	CCTTCCTTGT	CACCTTTATA	GGACGTGTGC	GCCGACCACA	CGAGGTGGGA
	86041	GTCCCATTTGC	GCGTCGATAC	ACAAGCGGC	GCCATTACG	AATATAACTG	GCCGACTATC
15	86101	CCACCCCCACT	GTGCGGTTCC	GGTTATAGCC	GTTCTAACGC	CTATCGAAGT	TGATGTGCCT
	86161	AGAGTGACAC	AAATACTTAA	AGACACAGGA	AACAACGCGA	TTACATCAGC	ATTGCGGTCA
	86221	TTGCGATGGG	ACAATCTTC	TCCAGCGGT	GAGGAGGAAT	CTGTGGATTG	TGCAAACGGT
	86281	ACAACGAGCT	TGTTACGTGC	AACGGAGAAA	CCGTTGCTT	GAACTCAGAG	TTCTTTGAAG
	86341	ACTTTGACTT	TGATGAGAAT	GTAACAGAGG	ACGCCGATAA	ATCCACACAA	CGCCGCCAAC
	86401	GAGTGATCGA	TGTAACACCA	AAACGAAAAC	CTTGGGGAAA	GAGCTCCCAT	TCCAAATGCG
20	86461	CAAAATGTTA	AACCTGATA	AACCCCTGATA	AACGTTCTAA	AAAAAACATC	AAATCATGGT
	86521	TGGTTACTGT	GAATGTTGT	TTTATTGCTT	GGGGGTTTAC	AAGTACAACC	CACGCTACTC
	86581	CCACCCACTG	TTTGATCGCT	CGTATAACAG	CTCATCCTCG	CGGTCCGTTT	CATATGTTGA
	86641	GTCATTTCA	TAGACGTAGC	CGTAGCCTTG	TGATGGGTAA	TTTGTGCGGC	GAGAATTCT
	86701	ATGTGCAGGT	TTTACTTTTC	GTATGTATCC	CCGTACCCGC	TCGGGTACTC	TTCTTACGGC
25	86761	ACCGTAGAAC	CGACTCGTT	TCTGTCGATG	ATACACATAT	GCACGCATCA	ATCTGAGAAC
	86821	CAACATGACA	ACGGAAAACA	CGGCCAGGCA	AGCCAAGGTT	CCCCGAGTTG	TGGGAATTAA
	86881	CCGTGGAGAT	TGAACCGATA	TAGGGTCATA	TAATCGGTCC	ATATACGAGT	GCGCGGCGGT
	86941	TCCCAACGTA	GCACAGGCCA	CGAGCGTTCC	CAGGACGGT	CCTATTAAACA	CGTGTATATA
	87001	ATGCGCCAAA	ATTAATTCTG	ATACTATAAG	ATATACAACT	GACAATGTAC	TAAATGTTAGA
30	87061	CATGGCCACG	GACACCGATG	ACCAACAGTC	CGTATGTTAGA	TGATTCGCCA	CCACAAGTTC
	87121	CAGCATTAAAT	GATACAAATA	GGATACATAT	CGCCATCAAC	GCAGCCATCA	AATTACGAA
	87181	CACTGCGCGC	GTAGGCCCG	CAAGGCATA	AAAAAGACG	CTCTGCTGTC	GTAATTTGC
	87241	GACCGCTTT	ATGTTCGTT	CGTCCAATT	TCCCGTCCA	AAAAAATACG	TTGTAATAT
	87301	TACACTTGTG	GCAAAATGTC	CAAGATATAA	TGTAGCAGCC	ACGCCGATTT	GCTTGTAAAGC
35	87361	TAATAATAAC	ACAACGGCGT	TTAATAACCA	CAATGACAAA	AGACCCAAA	AAAGTGTGTTG
	87421	GGGATCTACA	ACTAACCATG	CAACACCGGA	GCTTGGCCGG	ACACGTTGAT	TTTCGTTTC
	87481	TCGGGTGTATA	ATCGCGGCCG	TGATCAGTGT	ATATACGCC	ATGGCCATTG	CCGTTAAAGC
	87541	CGTGTAGTAA	GTAAATGCCA	CAACGCTATG	TGGTTCCAAA	AACAAAACCG	GGGCGCTGTA
	87601	TCCACCTCTA	TTTCCGGACC	ATACCCCCCCC	ATCTAGGTG	GCGTTAAATA	ACTCATAATC
40	87661	AACTACGGCA	GCATAAAAAC	AAAGGATCCC	GGTATATTCA	GAAGAGGCCG	CAATTAAACGT
	87721	AGCCAGGAGC	ATTACCGCAC	CCAAAGTGA	CATCATCACC	TGAATTATCC	AAATTGCCA
	87781	ATTAAGCGTA	TCCATTGAT	GATCTAACGC	TTCCACCTCG	GGTGTGCGTGG	TGTGTCACGG
	87841	CGAGACTTTT	TCAGAACGCG	GCCCCTTCTT	TTGAGTTCCC	ATGTCTCCA	ACACCGGGGA
	87901	GAGCAACGCC	GGCGTCTATG	CGTCCAGTAC	ACAGCTCGCG	CGGGCGTTAT	ATGGAGGGGA
45	87961	TCTGGTTTCG	TGGATTAAC	ACACCCACCC	GGGAATTAGC	CTGGAACCTGC	AATTGGATGT
	88021	TCCAGTAAAA	CTAATAAAAC	CTGGTATGTC	ACAAACTCGC	CCGGTAACCG	TCGTACGTG
	88081	CCCTATGGGC	TCTGGTAAAA	CAACAGCCTT	GCTTGAGTGG	CTTCAACACG	CGTTAAAGGC
	88141	AGATATTAGC	GTACTGGTTG	TCTCATGTG	CCGTAGCTTT	ACCCAGACGT	TGATTCAACG
	88201	GTAAACGAT	GCAGGCCCT	CCGGATTCGT	AACATATTG	ACATCCGAGA	CATATATTAT
50	88261	GGGTTTAA	CGTTGATTG	TGCAACTTGA	AAGCTACAC	CGCGTATCCA	GCGAAGCTAT
	88321	CGACAGCTAC	GACGTATTA	TACTGGATGA	GGTAATGTCA	GTGATTGGAC	AATTATACTC
	88381	CCCCACAATG	AGACGTCTT	CCCGCGTTGA	TAGCTATT	TATCGTCTTT	TAAATCGCTG
	88441	TTCTCAAATT	ATCGCGATGG	ATGCTACAGT	AAACTCGCAG	TTTATTGATT	TAATCTCCGG
	88501	ATTGCGTGG	GATGAAAACA	TACACACAAT	TGTGTGTACA	TACGCGGGAG	TTGGGTTCTC
55	88561	CGGAAGAACT	TGCACGATCC	TGCGTGTAT	GGGCATCGAC	ACGTTGTGC	GAGTCATTAA
	88621	ACGATCTCCT	GAACACGAGG	ATGTACGTAC	CATACACAA	CTACGTGGAA	CATTTTTGA
	88681	CGAACTAGCA	CTACGATTAC	AATGTGGGCA	TAACATCTGT	ATATTTTCAT	CAACTTTATC
	88741	GTTCGCGAG	CTAGTTGCTC	AGTTTGTGC	AATATTACA	GACTCTATT	TTATTTAAA
	88801	CTCAACTCGG	CCCCTATGTA	ATGTAAACGA	ATGGAAACAT	TTTCGCGTGT	TGGTGTACAC

	88861	TACCGTCGTG	ACCGTTGGAT	TGAGTTTGA	CATGGCTCAT	TTTCATAGCA	TGTTTGCTTA
	88921	CATAAAAGCCA	ATGTCATATG	GGCCGGATAT	GGTATCGGTC	TACCAGTCAT	TAGGGCGTGT
	88981	ACGTTTATTG	CTACTTAATG	AAGTTTTGAT	GTACGTCGAT	GGCTCAAGGA	CCAGATGCGG
	89041	ACCCCTGTC	TCGCCAATGT	TACTAAACTT	TACCATCGCA	AATAAAATTTC	AATGGTTTCC
5	89101	TACACACACC	CAAATAACTA	ACAAAATGTTG	CTGTGCATTT	AGGCAACGAT	GTGCAAATGC
	89161	ATTTACACGC	TCGAACACCC	ATCTCTTCTC	AAGATTAAA	TACAAACACC	TTTCGAGAG
	89221	ATGCTCTCTT	TGGAGTTAG	CCGATAGCAT	TAATATCTT	CAAACCTTT	TGGCCTCTAA
	89281	CCAAATTTG	GTTGTATTGG	ATGGCATGGG	TCCAATAACG	GACGTTTCCC	CAGTTCAATT
	89341	TTGTGCATT	ATACACGATC	TCAGACATAG	CGCTAACGCC	GTAGCTTCCT	GTATGCGTTC
10	89401	TCTTAGACAG	GACAATGACA	GCTGCTTGAC	CGATTGGC	CCTTCCGGAT	TTATGGCCGA
	89461	TAACATTACC	GCGTTATGG	AAAAGTATCT	TATGGAGTCA	ATTAATACCG	AAGAACAAAT
	89521	TAAAGTATT	AAAGCCCTTG	CATGTCCAAT	AGAACAGCCT	AGACTAGTCA	ATACGGCAAT
	89581	ATTGGGGCG	TGTATACGAA	TACCTGAAGC	GTTGGAAGCA	TTTGACGTAT	TTCAAAAAAT
	89641	ATACACGCAC	TACGCTCCG	GTTGGTTCC	CGTCCTGGAC	AAAACCGGGG	AATTAGCAT
15	89701	CGCGACTATA	ACTACGGCCC	CAAATTAAAC	CACACATTGG	GAGCTGTTTC	GCCGTTGTGC
	89761	CTATATTGCA	AAAACACTCA	AGTGGAAATCC	GTCCACCGAA	GGCTGTTGAA	CACAAGTTT
	89821	GGATACGGAC	ATTAATACAC	TTTCAATCA	ACACGGGGAT	TCGCTGGCTC	AACTAATATT
	89881	TGAGGTTATG	CGCTGTAACG	TTACTGACGC	TAAGATTATA	TTAAACCGCC	CGGTTGGCG
	89941	AAACACCGGA	TTCTTAGATG	GATGCCATAA	TCATGCTTC	CGTCCAATCC	CTACAAAACA
20	90001	CGAATATAAC	ATTGCTCTAT	TTCGTTTAAT	TTGGGAACAA	TTATTTGGCG	CCCGCGTAAC
	90061	TAAAAGTACC	CAGACCTTC	CGGGAAAGTAC	TCGTGTTGAAA	AACTAAAAAA	AAAAGATCT
	90121	AGAAACTTTA	CTTGATTCAA	TTAACGTGGA	TCGTTCTGCA	TGTCGTACCT	ACGCCAGTT
	90181	GTATAACCTG	CTTATGAGCC	AGCGCCATT	GTTCTCTAA	CAGCGTTACA	AAATTACTGC
	90241	CCCCGCTTGG	GCACGCCACG	TGTATTTCA	AGCACATCAA	ATGCACTTGG	CCCCGATGC
25	90301	CGAACCGATG	CTACAATTAG	CGCTATCGGA	ACTGTCCCCG	GGATCGTGGC	CGGGATAAA
	90361	CGGGCGGTA	AATTTGAAA	GTGTTATAACC	CGTTAATACC	ATATATGGAC	ATCCATAGGG
	90421	GGGGTTACAT	AAATACTAAG	CCTCTGTACA	ACACAAAGGG	CCTCTAACAA	TGCACTGAAC
	90481	CACAACCAAG	CTATGGACGC	AACGCAGATT	ACCTTGGTTA	GAGAAAGCGG	ACACATTTGT
	90541	GCCGCAAGCA	TATACACATC	CTGGACACAG	TCCGGACAAT	TAACACAGAA	CGGTCTTCC
30	90601	GTGTTATACT	ACTTATTATG	CAAAAACCTCA	TGTGGGAAAT	ACGTCCCTAA	GTTTGCCGAA
	90661	ATTACCGTAC	AAACAAGAGGA	TTTATGTCGC	TACTCCAGGC	ATGGGGGGAG	TGTTTCTGCG
	90721	GCAACGTTG	CGTCTATCTG	CAGGGCGGCG	TCCTCGGCTG	CGTTAGACGC	CTGGCCCCTT
	90781	GAACCACTGG	GTAACGCAGA	CACCTGGCGT	TGTCTCCATG	GCACTGCCT	GGCCACTTTA
	90841	CGGCGCGTAT	TAGGGTTAA	ATCGTTTTAT	TCGCCAGTAA	CATTGAGAC	TGATACGAAT
35	90901	ACAGGTCTTC	TGTTAAAAAC	AATCCCCGAT	GAACACGCGT	TGAATAATGA	CAACACGCCA
	90961	TCTACCGGAG	TATTGAGGGC	TAATTTTCCC	GTGGCCATTG	ATGTTTCAGC	AGTCAGCGCA
	91021	TGTAACGCC	ACACGCAAGG	TACGTCGCTA	GCCTACGCC	GCCTGACCGC	ACTTAAATCT
	91081	AACGGTGACA	CCCAGCAACA	AACACCTTTA	GACGTGGAGG	TAATTACACC	AAAGGCCTAC
	91141	ATACGTCGGA	AATATAAGTC	TACGTTTTCC	CCCCCTATAG	AGCGGGAAAGG	CCAAACCTCC
40	91201	GATTGTTA	ACCTTGAGA	ACGCCGCTTG	GTTCTTAGTG	GCAATCGCG	AATTGTTGTA
	91261	AGGGTACTCT	TACCGTGT	TTTGACTGT	TTAACAAACGG	ATTCCACCGT	TACATCTTCC
	91321	CTTTCAATAT	TAGCAACATA	TAGACTGTGG	TACGCGCGG	CGTTGGAAA	ACCCGGGGTT
	91381	GTCCGTCCAA	TCTTGTGCTA	TTAGGCCCCG	GAACCTCAATC	CGAAGGGTGA	AGACAGAGAC
	91441	TACTTTGTA	CTGTCGGATT	TCCCGGATGG	ACCACTCTTC	GGACACAAAC	TCCAGCCGTC
45	91501	GAATCTATT	GCACGGCTAC	GGAGATGTAC	ATGGGAAACGG	ATGGGTTGTG	GCCAGTAACC
	91561	GGTATTTCAGG	CCTTTCATTA	TCTAGCCCCC	TGGGGACAGC	ATCCCCCTT	ACCTCCGCGG
	91621	GTGCAGGATC	TTATTGGGCA	AATCCCTCAA	GATACTGGAC	ATGCAGATGC	AACTGTCAAT
	91681	TGGGACGCGG	GCCGGATATC	TACCGTCTTC	AAACAGCCTG	TACAACATAC	AGATCGTTGG
	91741	ATGGCAAAGT	TTGATTTCAG	CGCCTTTTT	CCACAGATAT	ACTGCGCTAT	GTTCCCCATG
50	91801	CATTTTAGAT	TAGGCAAAAT	CGTCCTGGCT	AGAATCGTC	GAGGAATGGG	GTGCTAAAG
	91861	CCCGCGTTGG	TGTCTTTT	TGGGGGGTTA	CGGCACATAC	TCCCGAGTAT	ATACAAAGCT
	91921	ATTATTTTA	TAGCCAATGA	AATTAGCCTT	TGCGTCGAAC	AAACGGCCTT	GGACACAGGGC
	91981	TTTGCTATAT	GTACTTAT	AAAAGATGGA	TTTTGGGGAA	TCTTCACCGA	TTTACATACG
	92041	CGCAATGTAT	GTTCAGATCA	GGCACGTTGT	TCGGCCTTAA	ATTTAGCGGC	CACCTCGAA
55	92101	AGAGCAGTCA	CGGGCTTATT	ACGAATTCAA	CTAGGGCTTA	ACTTTACACC	CGCCATGGAA
	92161	CCGGTACTCC	GGGTGAGGG	TGTGTACACT	CACGCATTAA	CCTGGGTGAC	CACGGGAAGC
	92221	TGGCTGTGGA	ATTTACAAAC	AAACACGCCT	CCGGATTAG	TTGGCGTGC	ATGGCGAAGT
	92281	CAGGGCGCGC	GAGATTAAA	GGAGCGTCTT	TCAGGACTCC	TATGTACCGC	AACAAAATT
	92341	CGAGAACCGGA	TACAGGAAA	TTGCATATGG	GACCAGTGTCC	TATACGACAT	ATGGGCCGGA

	92401	CAAGTTGTGG	AGGCTGCCAG	AAAAACATAC	GTCGATTTT	TTGAACATGT	TTTGATCGC
	92461	CGTTATACTC	CGGTATACTG	GAGTCTTCAG	GAGCAAAATT	CGGAAACAAA	AGCAATACCG
	92521	GCATCTTATC	TGACATACGG	ACACATGCAA	GATAAGGATT	ATAAACCAAG	ACAGATAATT
	92581	ATGGTTCGTA	ATCCCACCC	ACATGGACCT	CCTACTGTTG	TTTACTGGGA	ATTGCTACCA
5	92641	TCGTGTGCCT	GTATTCCCCC	CATAGACTGC	GCTGCTCATC	TCAAGCCCC	TATACACACCG
	92701	TTTGTCACTA	TTATTAACCA	TCTTCTAGAT	GCTCATAATG	ATTTTCAAG	TCCATCATTG
	92761	AAATTTACTG	ACGATCCCCT	TGCTTCATAT	AACTTCTTGT	TTTTATGACA	AAAAAACACCG
	92821	CCGCAACAAAC	CCATCCTTAA	AATAAAAGGT	TTATTTACTT	TACAACCCTG	GGTGAATT
	92881	TATACGTTTC	AAATAACTGA	ACATTTTCG	GTGTTACCAT	GGTGCATTT	AACCACCAA
10	92941	AATATACGCT	CTTCTGATAT	TCCGAATCTC	GTAAAGGTCC	ATTTAACAA	CCGGGGGGTA
	93001	CTTGCACCAC	ACCATCTGGA	CAGGGGGGGG	TTCCGGGGGG	CAGGTCAAA	CGCTGACCCA
	93061	CCCCCACATGA	ATATATAGCC	TTTATAATAT	TGGGGGCCGT	TCCAGGCTGA	GGGTTCACTA
	93121	ACTTAACAAA	CATATAATGC	GGCAATACGC	GGGTTTTGT	AAAGGGGTTG	TTATCAACGA
15	93181	CATACATTAG	AGTGTGAAAC	AACCATAAAA	CTCCCTCATA	AAAAAACCGA	CGCATT
	93241	CCAAAGGTCC	TATTTGACAC	TCAACGCGTC	TAAGATATAC	AGACAATTGT	ACAAACAGCG
	93301	ATGGAGATGC	CCCGGAGGGC	CCAATGCCTT	CCAGATAACAT	AAAATAACA	CATAAGGTA
	93361	AATCTAGGAC	ATTATCCGGG	CGGAATAGAG	TCATCCGATA	GATTAACAGG	CGGGGAGGCA
	93421	CCCCCACCGT	ATACACCTA	TCTTCAACCG	CAGTTAATAC	GGAAAAAATA	AATCCGCGGA
	93481	ACGCTGGTTG	AGTAACACAC	TCCATGTAGT	AACGATCACA	GGACACCTCA	CTTGAATCAC
20	93541	CATTCAACAC	TACTAAAACG	GTCTCTTGGT	GTTCCGGTT	TACGCGCAGT	GATACAACAG
	93601	AGTTTGCCTA	AAAGCGTGGC	TTCAAACCGG	TTACCTCCCG	CGCCTCGCAT	ACGAATCTTG
	93661	GTATTGCTTG	TATTCTAAGA	TCTTCGATCA	CGTCGCTCAC	ATCCAACCC	TCTCGGCTC
	93721	GTGTTAGTAA	GTTGTCGATC	GTTACGCTGC	AACCTAAAAT	GCTGGGTATA	TTTATTCCGG
	93781	ACATCCCATC	GGCCATCCCC	GCGCCTCCGG	TTTGTCTGAA	TTTATTCAG	TAAGGTGAA
25	93841	TCCGCTGCAT	TTACCTTGTG	TACCCGTAAAC	CTCTCAGGGG	GGTGTCTTT	CATAAAATGG
	93901	GATAGGTTTT	TATATCCAAC	ATGCATGTAT	TGGTTATTAA	TTTATTGGG	TTCCGGGATT
	93961	CTTCGTCTAT	CTTCTGTAGG	GTCAGGCAA	CCCCAGGAAG	GACTGGTGT	TCTCCGTGGG
	94021	CCCCGTTTTA	TTACCTCTGC	GCGAACCTGC	ATTTCATATA	ATATTGCGAT	TTGGGATAAA
	94081	TAGGACTCTG	TTCTCGCTT	TTTAAAATA	GCCTGGCATA	ACTCTTCTC	TGACCTATGT
30	94141	ACCTCGCTTT	GAGTTACCAA	GAATCCTAA	CGGGTGGCCC	GTAATATGAA	TGAAAATAC
	94201	GGCGCAACTA	GTAATGAGAT	TGACGCATT	GAATATGATA	CAGAAATTTC	CTGGCCTTGA
	94261	TTATTGTTTA	CCCGGGTGAAG	CTTAAAACAG	CGAACAAAGTT	CCTGTTCCA	TAGCTCAGAC
	94321	AAACGTTTTA	TATCATCTCC	ATAAGGGGGG	ATATAACGAG	ATTGAAAAC	ATTGGCAATA
	94381	TATGCATCAT	CCCCTATTAT	GCCGGTAAGA	TCTATAACCT	CGTGATTAA	ATCGGAATA
35	94441	CGTGTTCCTT	CTGCCATTGT	AATATGTGAC	CCTTTAGATG	GCTTTATT	TACCCCTCTCT
	94501	TCCCCGTAACC	GTTCAGCTC	TCTTCTTTG	AACTGGAGCC	TTTCGGTCAG	ATCGCTGTT
	94561	ACATCCTTGA	GACCTCTAAT	GGTTTTGAAT	AAATTATTCA	CATAACCTC	GAGCATGCCG
	94621	TTGATACTGT	TAACCACCGA	AGTTTTAAC	GCACCTTGAA	CGTTTGTGT	TCCGGACATT
	94681	GCCCCCCCCG	TAAAGGATTG	GTGGCCTTG	CCAAACCCCG	GTTGTGATGT	GTCCACCGAT
40	94741	CCACCTCCTT	CCAGAAATGT	ATTGCCCGT	TCTCTAGAT	AGGAACGTAC	GGTTTCGGTA
	94801	ATATCTCAA	CATGTCTCAT	GTTTTTAAAG	TTAACTATT	GCTTTACAAG	TCTAGACGCG
	94861	GCCGATCCAG	CCCGTGTGTT	ATCGTTCTCG	CCCATTATAC	GATCAACCGC	ACGTGTGCTG
	94921	TGAGATCTAT	CATCTTCATT	CCGGCGACCT	ATTAACACGC	GCAAAGGGGC	TGTATTAAA
	94981	ACTTGGCAGA	CGCGAGCATG	TTCACGTAAT	GCATAACAGG	CCAACACCTC	CCCAAGAAAGC
45	95041	CGCTGTAAAG	GTGAGTCAAA	TACTACACCC	TCCCCACATA	CAACGGCGG	CCACACGACC
	95101	AAACACTCTC	CCTTCATGCC	CGTTACATCA	TCCTTGCCTA	TAATTAACT	TCGGTTATAA
	95161	TTATAATAAA	GACGCGTCC	ATCATAATCC	ATAATAGCAA	CATTTGCT	ACACTCAACT
	95221	AGGCTTGTGA	CAACCGCCG	TCTCTGGCC	AACGGTGCAT	CGGCAACTT	TAACATCTGG
	95281	GACAGTTCTG	CCGCTTGACC	CATATACGTA	TTTAATGGT	CAGGGGTTCC	ATTCTGTTCT
50	95341	GATCGTACCT	TTCTTACAAC	GGGCACAATA	CCTACACAGG	CTATCCAGTC	CACGTATTG
	95401	GCAAAACCGA	CCCTTCATT	TAAACCACTG	GTATAGAGAC	AACCGGTTAT	TCCACGCGA
	95461	AACTCAAGTA	ACGATGACTG	TAATGTTGA	CGCCAGGTT	AAAAAACCTG	ATGTGCAAGC
	95521	CGTACGGCTT	CTGATTCTCC	ACATAGCCCA	TAACGTTCCG	CTAGAGCCCC	GGCATGCAGG
	95581	TTACATTGTT	GGATGTGGTG	TTCCCAATCT	GCTGCTAGGT	CCTCATACCG	AGTGCATCC
55	95641	AACGCGTTCA	TCAAAACGGT	TGCCCTGAAC	TGGCGAATT	CAGTTCCGT	AGACCGTACA
	95701	GCGCTATATA	TGCCCTTGTC	ATCGGTATAT	CCAAAGTCAC	CGGCTAGGAT	TTTCGAAAC
	95761	AACATACCTT	GC GTGGTGG	GTGTATTAAAC	ATCCAGCCAT	CTTCCTCCGG	AAATGTACAA
	95821	AACCCTATAT	CCGGGGCGTA	CTCATTCCAG	TATATATCGA	ACATGTTCT	GTATTGGTCA
	95881	TTTGGGTTAC	TTCCATTCAA	GCCCTGGTCA	ATAGAAACAG	AACTGCTAT	CCTTTTTCT

	95941	TCACTACCGG	AACTGTTATT	AAAAAGAGAC	GTTATTCGG	CCATTGAAAA	CCACGATGAA
	96001	AAGATCAATT	TCTGTAGACA	GTTCTTCACC	CAAAAACGTT	TTTAATCCAG	AGACGCCAA
	96061	TGGATTGAT	GACAGTGTAT	ATTAAACTT	CACCTCTATG	CATAGCATT	AACCTATCCT
5	96121	CTCACGGATT	CGAGAACCTG	CCGCAATTAC	GATTCCAAA	GAACGTGTC	CGCGGTTGTG
	96181	TTGGTTAAA	CAGTTACTCG	AACTGCAAGC	GCCTCTGAA	ATGCAGAGGA	ATGAGCTCCC
	96241	CTTCTCCGTT	TATTTAATT	GCGGAAATGC	CGGCTCCGGA	AAAAGCACGT	GTATCCAAAC
	96301	GCTTAACGAA	GCTATCGATT	GCATTATTAC	CGGATCCACC	AGGGTTGCTG	CCCAAAATGT
	96361	TCATGCTAAG	TTATCAACGG	CTTATGCGAG	TCGTCCGATA	AACACAATCT	TTCATGAATT
10	96421	TGGTTTCGC	GGAAATCACA	TTCAAGGCTCA	GCTGGGCCGT	TACGCATATA	ACTGGACTAC
	96481	GACCCCCCCT	TCTATTGAGG	ACCTGCAAAA	AAGAGATATT	GTATACTACT	GGGAAGTTTT
	96541	AATTGATATA	ACAAAACGAG	TGTTTCAAAT	GGGGGACGAC	GGTCGCGGAG	GAACATCGAC
	96601	ATTTAAAACC	CTGTGGCAA	TTGAACGTT	GCTTAATAAA	CCTACAGGCT	CAATGTCCGG
	96661	AACCGCGTTT	ATCGCATGCG	GTTCCTTCC	GGCTTTTACC	CGGAGCAACG	TTATTGTTAT
15	96721	TGATGAAGCA	GGATTGCTAG	GGCGTCATAT	TCTCACGGCC	GTGTTTACT	GTGGTGGCT
	96781	TTTGAATGCT	ATATATCAA	GCCCTCAGTA	CATAAACGGT	CGAAAACCGG	TCATAGTATG
	96841	CGTCGGTTCG	CCCACCCAAA	CTGACTCGTT	AGAATCTCAT	TTTCAACATG	ACATGCAGCG
	96901	TTCACACGTA	ACTCCTAGTG	AAAATATACT	CACGTATATA	ATCTGCAATC	AAACTCTGCG
	96961	TCAATATACT	AACATCTCAC	ATAACTGGGC	AATCTTATT	AATAACAAAC	GATGTCAAGA
20	97021	GGACGATTTT	GGAAATCTTT	AAAAACGCT	TGAGTACGGG	CTACCTATTA	CCGAAGCACA
	97081	TGCGCGTCTG	GTCGATACAT	TTGTTGTACC	TGCATCCTAT	ATTAACAATC	CTGCTAATCT
	97141	TCCCGGATGG	ACCGCTCTGT	ATTCGTCGCA	TAAGGAGGTG	AGCGCGTATA	TGAGTAAGTT
	97201	ACACCGCGCAT	TTAAAACATAT	CGAAAAAATGA	CCATTTCCT	GTGTTTGCT	TACCGACTTA
	97261	TACATTCTATC	CGGCTAACGG	CATTGATGA	ATACCGAAA	TTAACGGAC	AACCCGGACT
25	97321	TTCTGTTGAA	CATTGGATAC	GGGCAAACTC	CGGTCTTTG	CACAATTATT	CCCAAAGCCG
	97381	AGATCATGAC	ATGGGAACAG	TTAAATACGA	AACACATTCA	AATCGCGACT	TAATTGTAGC
	97441	CCGTACAGAC	ATCACTTACG	TGCTAAATAG	TCTCGTAGTT	GTAACCACAA	GACTACGTA
	97501	GTTAGTTATT	GGATTCACTG	GTACATTTCA	ATCGTTGCA	AAGGTTTAC	GTGACGACTC
	97561	CTTTGTGAAG	GCTCGAGGAG	AGACATCCAT	CGAATATGCT	TACCGGTTTC	TGTCAAACCT
30	97621	AATCTTGGA	GGCTTGATTA	ACTTTACAA	TTTTTGT	AATAAAAACC	TACATCCGA
	97681	TAAGGTATCG	TTAGCATACA	AACGGTTAGC	TGCCTTAACC	CTGGAGTTAT	TGTCTGGAAC
	97741	AAACAAAGCC	CCCTTACACG	AAGCAGCGGT	TAATGGGGCG	GGTGCCGGGA	TTGACTGTGA
	97801	TGGTGCAGCT	ACTTCTGCCG	ATAAAGCCTT	CTGCTTTACC	AAAGCCCCG	AGTCCAAAGT
	97861	AACGCCCTCC	ATACCCGAAG	ACCCGGATGA	TGTAATTTT	ACGGCACCTA	ACGACGAGGT
35	97921	TATTGACTTG	GTATACTGCC	AGTACGAATT	TTCCCTATCCC	AAATCATCCA	ATGAGGTCCA
	97981	TGCTCAGTT	CTGTTAATGA	AAGCTATT	CGATGGTCGA	TATGCCATAT	TAGCAGAGCT
	98041	TTTCGAAAGC	AGCTTACAA	CCGCCCCCTT	TAGCGCGTAT	GTCGATAATG	TTAATTCAA
	98101	CGGAAGCGAG	CTTTTGATCG	GCAATGTGCG	GGGGGGCTG	TTATCTTGG	CATTACAAAC
	98161	AGATACGTAT	ACCCCTTGG	GGTATACTTT	TGCACCCGTG	CCAGCTTTG	TAGAGGAAC
40	98221	GACCCGAAAA	AAGCTGTACC	GGAAAAC	CGAAATGTTA	TATGCTCTAC	ACGTACCTCT
	98281	TATGGTCTTA	CAGGATCAAC	ATGGGTTTG	GTCCATCGTA	AACGCTAACG	TATGTGAATT
	98341	TACCGAGTCT	ATAGAGGATG	CAGAATTGGC	AATGGCCACC	ACGGTGGACT	ATGGCCTTAG
	98401	TTCTAAACTA	GCCATGACAA	TTGCACGCTC	ACAGGGTCTG	AGTTTAGAGA	AGGTAGCTAT
	98461	CTGTTTACG	GCGGATAAAC	TGCGCCTAA	TAGTGTGTAT	GTTGCCATGT	CGCGTACGGT
45	98521	CTCCTCTAGG	TTCTTAAAAA	TGAATCTAA	CCCTCTACGG	GAACGATATG	AAAAATCCGC
	98581	AGAAATTAGC	GATCACATT	TTGCCGCTCT	ACGTGATCCC	AACGTACACG	TTGTGTATT
	98641	AAGCATTGTA	AAAAAACACG	CATGCCGGCT	TGCTGTTCTC	ATTTCAGGT	TTTGTCTTAA
	98701	ATACACCCGC	CATGAGCATC	TCTGGACCCC	CAACGACGTT	TATTTTATAT	AGGTTACATG
	98761	GGGTTAGGCG	GGTTCTCAC	TGGACTTTAC	CGGATCATGA	ACAAACACTC	TACGCATTTA
50	98821	CGGGTGGTC	AAGATCAATG	GGGGTGAAGA	CGGACGCTCG	ATGTGATACA	ATGAGCGGTG
	98881	GTATGATCGT	CCTTCAACAC	ACCCATACAG	TGACCCCTGCT	AACCATAGAC	TGTTCTACTG
	98941	ACTTTTCATC	ATACGCATT	ACGCACCGGG	ATTTCACCT	ACAGGACAAA	CCCCACGCAA
	99001	CATTGCGAT	GCCGTTATG	TCTGGGTGCG	GTTCTGACCC	AACATCTCAG	CTGTACAGTA
	99061	ATGTGGGGGG	GGTACTATCC	GTAATAACGG	AAGATGACCT	ATCCATGTGT	ATCTCAATTG
55	99121	TTATATACGG	TTTACGGGT	AAAGACAC	ACGATCAGAC	CACACCAACA	CCAACCCCGC
	99181	ACCACTAC	ATCGCAAAGG	CGGCAGCCTG	AAACCAACTG	TCCTCTTC	CCACAACCGG
	99241	CCTTTTCAC	ATCAGACGAC	GACGTTCTT	CGTTAATATT	ACGGGACGCC	GCAACACGCGT
	99301	AAAGACAGAT	TCAAGACTAA	CATTTATCCC	AACTGATTAC	ATTCATACG	CGAATAAACG
	99361	ACACAAAAAA	TTTATATTTA	ACGGCTTTA	ATTTGAAGAC	ACCTATCCTC	TTAACGTTGA
	99421	TGAGCCTTGC	AGGTTGGGTG	CCGCCTTCA	CCGGTATTAT	ACATAACCGA	TTTACCGTGT

	99481	TTACGGCAGT	CTGACCATT	ACCAGTGAT	GTCTGTAATA	CGACGTTGTT	GTGTCCCGAC
	99541	AAAATTAACT	CGCGTACAA	TTTCTGATGT	TCCCCCGGCG	TGGCAACGCT	GGCATTTCCA
5	99601	AACACATTAC	GTTCTCGTAC	GTCCATGACC	GCTATTTC	GTATTAAATTG	GTGGTCGGT
	99661	CAAAGTATT	TCCTTATGTA	AAAGGACACG	ATCTAAAGCC	GTAAACTCAT	ACACAAACAC
	99721	TGGTACCAAC	GGACGCGATT	TTCCGTCCGT	TGAGCGGGTG	TAATATCGC	GAGGTCTTCT
	99781	TGCACGAATA	CTCTCGTACA	GTAGGTTTCT	GACACGGGGT	GCATGGGTT	TTTGACACAA
	99841	CACAAACATT	TGCAGGCTCT	TATGACTGGA	TGGATTGAAT	TTATTTTAG	ATAGGGTCAC
10	99901	GTGTTTTGT	CGTGACACGC	CTCGACCAGA	AAAGGCTGCG	GTTCGTCGAC	ACCGGACCGT
	99961	TATTCACAG	GCGTTCATAA	CCAAGCTGCC	GCGGATGGTG	TCGGTTAATT	GTCTCCGCC
	100021	AAGTCGTCA	ATAGATGATA	CCATGAACAA	CGTATCAAAT	GGTACATAGT	CGTCTTGGT
	100081	TTTCTCAATA	CAGCCC CGGT	GCCCAATCGG	AAATTTC	TTTGCATCAA	CGCTATTTTC
	100141	TGTAAAATCG	TTCTGAACAC	TGTGTTGGCT	GGCTACCTGT	TTAAAATTG	GGATCGAAC
15	100201	CGGTCCACGA	TGCAATCCCC	AACCCCATG	AAGCAATGCC	GTCGGTACGG	AAGGAGGCAA
	100261	CTCCGAAAAC	ATTATGGTAC	GCAAGAGGGT	CGATTGGAGT	TTTATATAAC	ACTCCAATCG
	100321	ATCTCGGGTT	CGCCTTACG	CGTAAAATAC	TCATTGGCTT	GAACGAAATG	TCGACAATT
	100381	CGAAATGGAA	CACGGGACAA	TGGCGACGGA	TGCGCGTGTG	TTAGCACCAG	ATGACATCTT
	100441	GAATTGGTT	GGGTTGCTT	CTGTGCATGC	GCACCCACA	GCATAAAAAC	TAACCCCTGTA
	100501	CGGTTCTCGC	ATAACCTCTG	TAGCACGCGT	TGCACAGCC	GCCCCCAGCC	TAAGTATAAC
20	100561	TGCGACCCCG	GAGTCCCGCG	ACGAACCGTA	AGCGTGGTAT	TCAGCAATAA	CACCCCTG
	100621	CTTGGCCAAAC	TCTCCAGGCA	TCCGTGAGTG	GGCGGAGTC	TATTTGGGTA	TGATTCCATG
	100681	AGGGCCGCAA	AAATATT	AAGACTAGAC	GGTGGTGT	TGCCACGTT	TACACTAAAC
	100741	GCTAGCCCCAT	GTGCATGTCC	CGCGGTAGGG	TATGGATCTT	GACCAATAAT	TACAACGCGA
	100801	ATGCTCTGGG	GTCCGCAAAA	TCCGTCAT	GCAAAATAT	CGCCTGTAGA	TGGAAGTATT
25	100861	TCTTCCCCCTG	AATTAAAAG	ACGATTGTAT	TCTAAAAAAA	TACCTTCG	GTACGGCTCT
	100921	TTAAGTTCGT	CCGACACAG	GTCATACCAAC	TCAGGGAAA	TGTTAAACTT	GCTGAAAAC
	100981	TCAACCGAAT	CCAGTTGCGA	AGAGACGGGG	GTGAACGTT	CCGTGTCGTA	ATGATGTGAC
	101041	ATGTTATT	ACTTGAAAGT	TGGGGGGTCT	AGCTTAACCC	CCAAAGGCAG	CCCCGGGGT
	101101	CGCTTGC	TTTTTTGGT	AACCGGATGG	GCCAAAACAT	AAATGTCCTT	TGAATCCGAT
30	101161	AGTTTCATTT	CATTGGCATA	CGCGTGGAA	CAAACGGTC	GCTCCCCAGA	CACATCCATT
	101221	TTCCGGATA	TTTGTGGAAG	ATGGAGT	GTCTACCCAT	ACACCGAAA	GGGCATCCAA
	101281	CAAAGCATCG	CGTATGTCCC	CGCTTTATG	TTCTTCACCA	ACAGATTGTG	CCAGCCCC
	101341	TAAGGTGACG	TATGGATT	TCCAGTACGC	CATTGTTTG	TCTTAAACC	AAAGTATAAC
	101401	TTCCGGTACT	GGACATT	TCTTAACCAC	GATTCCC	AGCGCCTCG	TGAGGTTG
	101461	TACCGGGGGT	GCCGCATAGT	CCCACGCCTC	ATATACCGAT	GACACGCACG	GTTCCGTTAT
35	101521	AATCAAAC	ACATCCGATA	GCGGTTGGC	TCCAAAAAC	AACGGAGTGT	CGTCTGGAG
	101581	ATGAAGACAA	TACGCGATT	TGATAGTTT	TAAAAAAACT	ATCTGAGTA	ACCATTATG
	101641	TGATGCCATG	ACGTTGTGT	TTTCCCTTCA	CTACGACGTT	GTCTATCCT	TTGAAAAACT
	101701	TGACCACTCT	AATGGAAGCA	TGGACAAGTA	TGAGTTTAT	ATATACAGTT	GGCCTT
	101761	TAAACTCTG	GTGTCATATC	TCATTTCC	AAAAAGGCG	ATCTTAATAT	GTCAAACGTC
40	101821	ACGGCGTGC	GACAAAGCGA	ATTTCATGC	AAGATTGGA	TGTTAGTATT	ATACACCCAA
	101881	TCACATGTCA	CGTATTAAGC	TTTACAGTCC	CCCGTTATCT	GATATAATCA	CTTTTCTTAA
	101941	CACGTCA	GGAAAACAGA	TGTTTATATT	ATACCTCTCG	CGGTCA	GGCAAATAC
	102001	TTAGACCGTT	TTCAAGCGGA	CTGAAAACGC	TCAAATTGCC	TTTTGGAGGC	CTGCCAACG
45	102061	GCCATTATCC	CTTGGATCTA	AGATTGATT	GCGGTAACGT	TTGCCAATCA	AGCTTAAAAA
	102121	ACGTACCCCA	AACTAAAAC	GCTCAAATTG	CCTTTGGAG	GCCTGCCAA	CGGCCATTAT
	102181	CCCTTGGATC	TGAGATTGAT	TTACGGTAAC	TTTGCCAAA	CCCACGCATT	TCAGTTAAA
	102241	TATTTCTAAG	CATTCTTAGT	GGCTACTTG	CAGCGTCTT	AAAATATCAA	CCAATATCCA
	102301	TTATGCTACA	CGTTTCC	TATCCGTTTC	AATCCATTAA	AAGTCCATT	ACAAAAATGA
	102361	TGCATCATAC	CTAATT	CTAAC	TTAACAC	ACTCATTGCA	GCAGCGTT
50	102421	ACTATCCAGT	TGGCATT	AACGGGTCCG	GCTGCCAAA	CCGAAAACAC	CGTGCCTT
	102481	ACTGTAAGTA	CAAAACTAAA	ATTTATATT	GCCTGCGTAT	TTTGTAA	ATATGCCTT
	102541	TATCCCCCG	CAAGTTGCT	TTACCTCGC	CTTCAC	CCCAGC	TCCGGCCATT
	102601	TTAATAACTT	TAATTGCTAT	AAGACATACC	CAAACCGGAT	GATTTTG	GCTGGAAAAA
	102661	CAGCTTCTAA	TTTCCC	TCAACTCGGC	CTTGGTTGCA	TCTCCAAGTA	TACCTT
55	102721	TTGCTCCCGT	AGAGGTGTAT	AAATACAAAC	GGTGACAAGT	ATTGAGCGTA	ATCTCAAATT
	102781	TTTGTAA	AGGGCGGAGC	GCTTACGACA	GCACATGCGT	ACTGTTAGAC	TGTTATGTTT
	102841	ATTGTATT	CAGAGCAGGA	TGCCCCGGTT	ACTCCGAGAC	CGGATTGCGG	GCATTCCGAA
	102901	TCGTGTACGG	ACTTAC	GGCAGTATT	TACACCTTGG	GTTCCAGATA	TACCAACCCT
	102961	TACGACCAAT	AGCAACACTC	AGGTATT	AAAATGACG	TTAATGATC	ATAATTAC

	103021	TACAGTTGGT	AATAAAGCAG	ACTGTGGATG	TTTAAGGCAT	TTCCTTCCCC	CTCCCAACAA
	103081	ACTAGGACTT	CTTCATCTT	TTTCCAATAC	CTTTACCCGC	TTTACCGGCA	GAGCTTTTT
	103141	TGGTAAGGTG	TTTCAGTGA	CCTGATGTT	ATCCGGAGGT	GGAGGGGGTA	TTGACTCCC
5	103201	CCTGTGGAGA	GGCAACTTT	CGGGTTTAC	TTCCCTTACA	TGCCGAATCA	GACTCAGATG
	103261	TCAGGTCTAT	TGTTAACAT	CGTTAACGT	CTCTGCCGGT	ATGAAATAAA	CGGCCTTAG
	103321	CACCCCTTGC	GCTTCCCCTG	TTAATCCCCG	GTAACACAGA	AAAAAGCCTG	ACTTTTTGGG
	103381	GTGTATTTAC	CAATCGGGTA	TCCCTTCA	CGCCACGAGA	GGTCTCCCCG	GTTGAGGTGG
	103441	TTTCTGGTCT	TACAATTGGA	CCTGTAATT	GTTGGATGGC	TGTATCTTC	CAGGTCCAGG
10	103501	TTTGATGGT	TAGGCGGGTT	GGATCGGTAC	ATCGATCCAA	CAAGAATAAC	ATGTTGTTA
	103561	CAAACGGTCC	TGTTGAATCA	TGAAAAGAC	AACGCAGGGA	TGTTTTTAAT	CCCGCCTCAT
	103621	CACGCCCGTA	AATACTATA	TAGTTTAATA	TCAACATTT	TGTAGGCTCT	ACAATTTCGG
	103681	GTTGATACAG	TTCCGCAAGT	TGATCATCAA	GCCATCCGAG	TAAAGGTTGC	ATGTAACACG
	103741	GGAATCTCGC	GTTTCCCTCT	GTCGCTCAT	CCGTGGCTCG	AAAAGGCAGT	CTGTCATGG
15	103801	TTCGTGGGTC	TTGATTAATT	CCCACAGATA	CTGGACGATC	ACGGTAGTCC	TGCCCCCGG
	103861	TCCGGGGTTG	CTGTGCAGAT	TCAATCGAGC	CATACACCAC	CGGGTCTGCC	GATCGAACAG
	103921	CAGGGTGGTC	TTTAAAAAAAT	ACCTCCGTA	AAAATGATGC	GGTAGAGCAT	GTTTGGTTA
	103981	CACCAGGGCT	CGAGTCTCGG	GTCGGTGGTT	GTATAGAAC	CTGTTGAGAG	TCACTTGGTG
	104041	ACTCTGCTGT	GGGCTCTCTA	GCCGACGATT	GAAGGGGCC	AGGGTTGGT	GATTGAATGG
	104101	GCTCCCGACT	CGATCTTGAT	GTTGGCTGTT	GGATGGACTC	CCGACTCGGT	CCTGGGCTTG
20	104161	GTGGCAGAAC	ATCTATGACA	TCTCCCGGT	GGATGTCGAT	GGAATCTTCA	AATGACGGCT
	104221	CAGAAAAAAC	ATCGTCGTCG	GATGGGTGCA	CTTCATATT	CTTGTAACTT	GTATCACTTA
	104281	CGATCTTATG	CAGGATGGAT	TGCACTGGAC	ACCGGCAGAG	AGGACACTGG	ACCGTGGTGG
	104341	AGGTCCATGC	CCGAATACAA	ACAAAGCAGA	AGTCGTGCAA	ACACGGCATG	GTTTTCCGA
	104401	GATCGGAAAC	GGTGTCTCATG	CATATGGTGC	AGGTATTATC	CGAAGCGTCG	GAGGTGCCG
25	104461	TACCGCCCGC	TAATATGGTA	TCCATGGTAA	CAACTGGCTG	TATTCTAATG	TCCGGGCATC
	104521	CAAACACGTA	GCAGAACTGC	CATGCGTTCT	AAATTGAG	TTGTTGGCAG	TACATTTTTA
	104581	TAATTGGTAC	CAACGAAGAC	ACACCCCTAT	ATCCCTCCAC	CCATTCTTT	TAAGTCCCAC
	104641	CCACTAAAAC	GTGGGTATAA	AATGTGTATT	GGGGTAGGCG	GACAGTCCC	ACAAACAGGG
	104701	AAGTTGATTG	GTATAACCTT	GGGCCGGGTA	TACAGCTAAG	TGACATTTA	GATTCTGTCT
30	104761	TTATTAGAT	AAAGAGCGAT	ACGAAGACAT	TTCTCCACCC	CCCTGTAATA	CCCGTAAATA
	104821	AAGGTAAGTC	CACAAACAAA	AGCACTGTAT	ATAGGAAGTC	GGGTGTATTG	GGACAGTTAC
	104881	TCCATTAGAG	GCGTACAAAC	AATACTGGGA	TAGGGTAATG	CAAGTCCCC	CCGATGGTCG
	104941	CCCCGAAAC	GCGCGGGGAG	GTGGGGTCGC	TTTTTTTTT	CTCTCTCGAG	GGGGCCGCGA
	105001	GAGGGCTGGC	CTCCCTCTCCC	GGGGTCCGCC	GGGCGCCCG	AAACCGGGGG	GGGTTATTT
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	105121	TTCATAAAAAA	CCGTTCCGCT	TTTATTAACA	ACAAACAGTC	CGCGCGCCAG	TGGCGCTCAC
	105181	GAGAAAAGGA	GGGGACTCCG	TCACCCCCGA	CTCTGCCGGG	GGCTCTCCC	CCCGCGCCCT
	105241	CCCCACACAT	CGTCCTCGTC	CTCGGAGGAC	GAGGACGAGG	ACAACAGCTC	CACCTTGACC
	105301	GCCGGGCGCA	AACCCACCCG	GCGGTCTCGC	AGCACACCCG	GGGCCACCGA	CACGATGCTC
40	105361	ACCCAAAGG	ATGACCCCGG	TGCGTCCCCG	TCGTCCCCGC	CCCCCTCCTC	GCTGTCCCAC
	105421	GCGTCTTCAC	ACCCCACCTC	CCAATCGTC	AGCTCAAAG	CGTGTCTCT	GTCGTCTGCG
	105481	GTGCGCCGCT	GTCGCCCCGC	CTGGGTTTCT	GACGGCCGTT	CCGAGCCCC	GTGGTGTCCG
	105541	AACACGAACC	GTGTTCCGTC	GCTCCCCCTC	AACACCGTCT	CCGCGGCCCC	AAAACCGGGC
	105601	GGCACACATTA	CTCTGGGAAT	CGGGGGGAGG	GCATTCCGAG	CCTCGTCCGC	CGACGCATAC
45	105661	AGCGCCACCG	ACCGACCGGC	CACGGGTGGA	AGCACAGGTG	GTTCTGCCGG	AGGGTGGG
	105721	TCCAGCAGGG	CGTGGCGGCA	AAACACCCCTC	GCCCAGGTGG	GTACGTCCGCC	GGCCTCCGGC
	105781	CCGGCGGCC	CCGGTCTCCG	TCCCTCGGG	AGGAAGACGG	GTCGAAGCGC	GGCACCCAGG
	105841	CCCCATCGGT	TTGCTGCGC	GTGGCTATGT	GCCGCTCGT	CCACAAAGTC	GGCTGCCCG
	105901	AGCCCCAGAC	CCCGAGACTG	TCGGCGAGG	TCCTTCAAC	CGTCAAAC	CGGCAGCACG
50	105961	TACTGCCGGT	ATTCACGGGG	CGACAGGGGG	ACGCGGGTCT	TGGGGCCCGC	GCGGGTACAC
	106021	ACGGTGTATG	CGACGTTCCC	ACCGCGGCAC	AAACACAGGG	GTTGTTCGCC	CGGGTACAGG
	106081	TTGGCAAACG	CAGTCTCGAT	ACGAGCAAA	CTCGCTGGCC	CAAAGGTGCG	CGACGATGCA
	106141	AACACGGCCC	GGCGAGTCC	TTCTGTGACC	GCCGAGTCTG	GCCATCGGAC	GACGGCTGG
	106201	GCGTCCGGTC	GCGCCGGGGC	CCGGACGTAC	ACGTGATACT	GAGACAAAGC	GGGTCCATCC
55	106261	CTGGGCCACC	TCTCGAGGGC	CACCGCGTC	AACACCAGCA	ACCGGCCCG	GGCAGAGGCC
	106321	AACCGCGAGC	CTAGATACTC	GACGGCCCCG	GCAAAAGCCA	GGTCTCGGGT	CGACAGTAAT
	106381	AAAACGCCCC	GGGCGTTCAA	AGCGGACACG	TCCGGCGGGC	CGGTCCAGTT	CCCGGCCAG
	106441	GCATGAGTGC	TCGGCAGGCA	CAACGGTTA	CTCAGGGCTG	CCAGGACAC	AGACAGTCCC
	106501	CCTCGGGATG	GACTCCATGA	CGGTCCCCGGA	TCTGTCGCGA	GGGTGCTCTC	GAGGGGGCCG

	106561	TTGATGTCCT	CTCCGGCAA	CGGATCGTAG	ATGATCAGAA	GCCTCACATC	CTCCGGGTCT
	106621	GGGATCTGCC	GCATCCAGGC	GCACCTCCGT	CGCAGCGCCT	CCACTCCGCT	GGGTGGACCA
	106681	AACCGTCGGT	CTCCTCCGCC	CGGACGCCGA	GC GGCGATT	CCGCCAAGGC	GCCGGGATCA
5	106741	AAGCTTAGCG	CAGGGCGCCA	GGCCGTGGGA	AACAATGGGT	CGTCGACCAG	ACGGGCATG
	106801	GTTCGGGGG	TACAGTACGC	CTTGCAGGCC	TGGTCCGACG	GGACCGGGGT	ATGCAGGGCC
	106861	CCCCGGGGAA	TACGCCAAA	TCCCCCGTT	GGGGCCGGTC	CGTCAAGTGG	CATCGTTATT
	106921	ACGGCGGGGG	GATCCACAC	AGGGCCCGAG	GTGATGGTCA	CGGGCTCGGA	TACCCGCCTC
	106981	TTGGCCTTGG	AAACCACATG	ATCGTCTGCA	ACCCGGCGT	CCCGGACGGG	TGTCTCCCTA
10	107041	ATCTTGTGCA	GGAGGCTCT	GCTCTGACT	GGCTGGACT	TGCGCTTGCG	CGGAGGTCGT
	107101	AAACGATCAT	CCGGTGGACA	CACAGAAAAGA	GAGCGTGC	CGGCCGACGG	CTGAGGGTCG
	107161	GGAGCCTGTG	TGGCCGGGT	TGTTGGAGAA	GGGTGACCGC	GGGAGATCCG	CGCCGCCGGA
	107221	CTGGAGCCCG	TTGCCTCGGG	GTATGCCATG	CTGGCAAAGG	CTCTGCGGAG	ACTCTGTAGG
	107281	ATAAAAGTGT	TTTGGGCCG	GTCGTATCGA	CGGCTCATAG	CCACGGCCGC	GGCCGCGTGG
15	107341	GGGAGAGCCC	AGAGGGCCTC	CCCCGTGGCC	ATGGCTTCGC	CTACATGCCG	AACGGGAGAC
	107401	GCTACGCTCC	CCGTAACGGC	GGTACCCGCC	CGTCCCGGT	GCAACAGCTT	TTGGTAGAAC
	107461	TGGTTCAAGG	CCGAGTTGAC	ACCGGTCAGC	TTGGGTTCT	GGAGGCCATGC	TATAGGGTCT
	107521	CTGCTGGAC	AGTAGATCAG	GTAAATCAGC	GCGCGGTACT	GTCTAGCCGG	ATCTCCAAAC
	107581	TCCGGCACGT	AAAGCGGCAC	GGGTTCCGTT	GAGGCCTCGT	AACGAGCCCG	CGCCGCTCTC
	107641	ACAGCCTCAT	CCTCCCAGTG	ACCCTCTCTG	GTCTCCCCGG	ACGGTCCAAA	CCGCACCCCTG
20	107701	TTGGATGGGA	GGGGTGCCGA	TCCGGGCCAA	GGGCTCCGT	CGGGCATCAT	GAGCGGCC
	107761	GACACCGGGG	GAATTATCGG	GGTTCTGGAT	CGCGGCAGGG	AAAATGATTT	CTGCTCTGG
	107821	CGCCCCGGTT	CCCCCGCAAG	ACGTTTGGTC	TTACGAATCC	TCGGATCGGG	ACCGCTGATG
	107881	GATCGATATC	CCGGTTGGAT	ATTTTGTTTC	GTGACCCAC	CATCATTGA	GTCCGAATCA
	107941	TCCGAATTG	ACGGGGAAAGG	GGCGTGTTCG	CGTCCGGACC	TGCTGCCTGT	AGTTCACTT
25	108001	CCCACCGAAA	CGCGCCGGGG	TTCATCGTCT	TCATCCCTCG	ATGACGATCC	CCACGACGAG
	108061	GAAGAGGATG	AAGACGAAAC	AAACTCACGA	CTCTTGGCT	TTTTCTCCAC	TGGGCTGTCA
	108121	TCCTCAATCG	GGTCTGGTGC	GTGGGATCTT	CCCAGCAGGG	CCAAAAAACG	TCTAGGTTTG
	108181	CCCCCGACG	AACGTCCAGG	GACCGGAGGT	GTTATACCCC	GGGCATCATG	TTTCTTGGG
	108241	CGGGTATCAT	CGGTCTCAA	CGGCAGGTCC	GCCTTGCCC	CCTAGCGGG	AACGCTGTCC
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	108361	GGGAGTGGGA	CCTTAACCTT	CAAAGTCTT	TTCTTCGGGC	TCTTTCCTG	AGGGGGCCGT
	108421	TGAGTTTCT	GGAGAACTAC	TCCGTCCCCC	GATGCATGCG	CATGACCCGC	TTGCTCATCG
	108481	CCCGGCTTTT	TACCCGAGAT	GGACTGAGTT	TGTCTGTCTC	GATGGACCCAC	CGACGGCAAA
	108541	CCTGGTGAAT	TTCTCTCGT	CGTTTGTGCG	GGTATAGACC	GCTGGTCTTC	CGGTTGATCG
35	108601	TTCCCGGCGG	CGTCTCCAAAC	AGGAGACGCC	GGGGATACAG	GGGAGAAGGC	CTGCGGGAAC
	108661	GGAGGGGTG	TACCTCTGCC	CGTTTCCCCA	TCGTTCATCG	GTGGTTTTGG	AGACCTAGCA
	108721	AGCTCGTTC	CGAGAGAGAC	TGTCTCAAGG	GAGCGATCGG	CTCCTGTTGG	TTCTCGCGC
	108781	CCGGCCTCCG	AGAATCGGGT	GTGGAAGACC	TCGGCCAGCG	GGATTACAGG	CGAGCCCATT
	108841	AGATCCTGAC	CGTCCTCGCA	TACGTAGTCG	TCTTGTTTA	GCTCTTCGCC	AACATCTTCC
40	108901	GTTCTGGGTT	CTGGTTGAAG	TCCCGATAACG	GAGGGAATTG	AAACGATCTC	GTGTTCCCGT
	108961	CCCACCATGA	CCCCGTTCTC	TCCAAATAGT	AGATCGTCAG	GCTGACTCGA	GGTGACCAACC
	109021	CGGGCCCTGT	GTTCGGCGGC	CGCCCGGGCC	GCGTCCAACA	GGTCCATTAA	CTCCAAAGTA
	109081	TCAGGCGACC	CCGCGCGTTG	GGGTGTAGAG	CGCTGCATCG	GC GGCGTATC	CATCGCACTG
	109141	GGGTGAATT	AGACGTACCC	GAGTTTCCA	AACGCTCTCG	CAGCCTTCAA	AGGATTGC
45	109201	TTGCGGTTGG	TGAGGGAGTT	CCAACAGTAC	TTAAAACGTG	TTGTGCC	CCCTCGACCG
	109261	CATATTCTC	CCCCGTGTCG	TCACCGTGT	AATATTCTT	ATGATAAGAC	GATGTAAGTGA
	109321	TTGGACGAGA	CTCGAGGC	GAAGTTCATG	GACCATAGT	TGCGTTAAG	GAGAGACCGC
	109381	TGGTGGCGA	TGTACGCCG	GTGTCTATT	CCGCATACCT	TACAACATCA	TAACAAGGGA
	109441	TACCAGACAT	GTGAATTCA	TTTACATATG	TTAAATAAC	AACCAATCAT	CGTGTGTCTA
50	109501	CAGACGATAT	ATAATATACA	TAAACACAAT	TGGGGTTGTC	TCACATGCAA	AACATCTTAT
	109561	ATAACACGGG	TTGTTCCAC	CCATCCGGCA	TCTAGTTAAT	CAAATGCACG	TCGACGGTGT
	109621	GTGGGGTCC	CTCTCCGTCG	TCATTACGTT	CGCGCAATCA	ACAAGCGTAT	ACACCACAC
	109681	CCCTCCCAAC	GATTATGTCA	GGCGGCACGA	AGCCCGCGAT	AACCCATAAA	ATACACACGG
	109741	GGTTGTGGTG	TTCACGTAAC	CCCCCGCCGA	TGGGGAGGGG	GCGCGGTAC	CCGGCGATGG
55	109801	GGAGGGGGCG	CGGTACCCCG	CCGATGGGGA	GGGGCGCGG	TACCCCGCCG	ATGGGGAGGG
	109861	GGCGCGGTAC	CCCGCCGATG	GGGAGGGGGC	CGGGTACCC	GCCGATGTTT	ATAACCATAA
	109921	TTCTCTAAC	CGTTGTAGAA	AATCACAAA	AAATTATTTC	AAAAACAAGT	CGAAGAACTT
	109981	CATATCTGAG	GCATGTAAC	CCGTTCGCAC	TTCCCTGGGT	GGAATGGGGT	GGGGTGGGGG
	110041	GGTAAAAAG	GGGGGGGGTT	AAATTGGGCG	TCCGCATGTC	TGTGGTGTAC	GCCAATCGGA

	110101	TACACTCTT	TGATCTGCAT	TCGCACTTCC	CGTTTTTCA	CTGTATGGGT	TTTCATGTTT
	110161	TGGCATGTGT	CCAACCACCG	TTCGCAGTCTT	CTTTCTATAT	ATATATATAT	ATATATATAT
	110221	ATATATAGAG	AAAGAGAGAG	AGTTTCTTGT	TCGCGCGTGT	TCCCAGCGATG	TCGCGGTTTT
	110281	ATGGGGTGTG	GGCAGGGCTT	TCACAGAATA	TATATATTCC	AAATGGAGCG	GCAGGCTTTT
5	110341	TAAAATCGAT	TTGACGTGAT	AAAAAAAAC	ACACGGGGCC	CCCCCCTTT	TTTGGTGTGA
	110401	TAAAGGCAAC	CCAATCGAAG	GTCTCCGCC	CCGGAATCCC	CCATTGCCAT	TTTACCCAAG
	110461	TAGCCTTATT	CATAGATGTA	AACGTTGGG	TGTGTGTTT	GTTGTGCAGG	GTTCGTCCGA
	110521	TTCATAACGC	GACAGCGTCG	AGTCGGTTT	AAGGGAAAAG	GTTACTACGG	CCCCAAGGAC
10	110581	ATGTTTGCA	CCTCACCGGC	TACCGGGGGC	GACTCGTCCG	AGTCAAAACC	CGGGGCATCG
	110641	GTGATGTTA	ACGGAAAGAT	GGAATATGGA	TCTGCACCAG	GACCCCTGAA	CGGCCGGGAT
	110701	ACGTCGCGGG	GCCCCGGCGC	GTTTTGTACT	CGGGGTTGGG	AGATCCACCC	GGCCAGGCTC
	110761	GTGAGGACA	TCAACCGTGT	TTTTTTATGT	ATTGCACAGT	CGTCGGGACG	CGTCACGCGA
	110821	GATTACGAA	GATTGCGCG	CATATGCCTC	GACTTTATC	TAATGGGTCG	CACCAGACAG
15	110881	CGTCCCACGT	TAGCGTGCTG	GGAGGAATTG	TTACAGCTTC	AACCCACCCA	GACGCAGTGC
	110941	TTACCGGCTA	CTTAATGGA	AGTGTCCCCT	CGACCCCTC	GGGGGAAAGA	CGGGTTTCATT
	111001	GAGGCGCCGA	ATGTTCTTT	GCATAGGAGC	GCACAGGAAT	GTGACGTATC	TGATGATGGT
	111061	GGTGAAGACG	ATAGCGACGA	TGATGGGCT	ACGCCATCGG	ATGTAATTGA	ATTCGGGAT
	111121	TCCGACGCGG	AATCATCGGA	CGGGGAAGAC	TTTATAGTGG	AAGAAGAAC	AGAGGAGAGC
20	111181	ACCGATTCTT	GTGAACCAGA	CGGGGTACCC	GGCGATTGTT	ATCGAGACGG	GGATGGGTGC
	111241	AACACCCCGT	CCCCAAAGAG	ACCCCAGCGT	GCCATCGAGC	GATACGCGGG	TGCAGAAACC
	111301	GCGGAATATA	CAGCCGCGAA	AGCGCTCACC	GCGTTGGCG	AGGGGGGTGT	AGATTGGAAG
	111361	CGACGTCGAC	ACGAAGCCCC	GCGCCGGCAT	GATATACCGC	CCCCCCATGG	CGTGTAGTCT
	111421	TTATAAATAA	ATACAATGGT	TTGGCTCGTG	TCTTTTTTG	ATGTCTGTCT	GTGGGGGAGT
	111481	GGGGTGTGTT	GGATATTAGA	GGGTAGAGGG	TGCTGGTTG	AACGTCTCA	TTAACCCACG
25	111541	GGGTCCCCAC	ACGGGCCGTG	TGGTATGAAT	CTCTCGGGAT	CCCGCGGTGA	GCACCCGGGC
	111601	GGTGAATATG	CCGGACTTTA	CTGCACACGA	CACGATACCC	CCCGCGCACCA	GGCTCTCATG
	111661	AAACGACGCCG	AACGGTACTT	CGCCGCCGCG	CTATCGGCCA	TATCTACCGA	GGCCTACGAG
	111721	GCTTTTATAC	ACAGCCCTC	CGAGAGACCC	TGCGCGAGTT	TGTGGGGGAG	GGCAAAGGAC
	111781	GCCTTCGGAC	GGATGTGCGG	GGAGCTCGCA	GCGGATAGAC	AACGTCCACC	CTCGGTTCCG
30	111841	CCGATCCGCA	GAGCGGTGTT	ATCGTTATTA	CGCGAGCAAT	GCATGCCGGA	TCCACAATCG
	111901	CATCTGGAGC	TCAGCGAGCG	GCTGATATTG	ATGGCATATT	GGTGCTGTT	GGGACACGCC
	111961	GGACTTCCGA	CTATTGGATT	GTCGCCCGAT	AATAAATGCA	TCCGCGCCGA	ATTATATGAC
	112021	CGCCCCGGGG	GAATTGTC	CAGGTTTTT	GACCGCTACC	TGGGCTGCGG	GTCCCTTGGA
	112081	GTCCCAAGAA	CCTACGAGAG	ATCCTGACAC	CCCATCCCTT	TATATAGAAA	AAAAAAATAA
35	112141	ATTTAAAACA	TACACCGGAT	AAAAGCGTAC	TGTTTTTTAT	TTAAATTTC	ACGCTCGGCG
	112201	TTGCCCGGT	TCGGTGTATCA	CCGGGTCTTA	TCTATATACA	CCGTGTAACT	CGAACCCCCG
	112261	TGACTCCCTC	CAATCGCGT	ACCAAACCTCT	TCTTCGCTAT	CCGTAGATT	CGAGTCCTCG
	112321	AAATCGTCCA	CTTATCCAAC	AAATTGTGAC	GTTATATATC	CCAAGGCAAA	GGCCGCTCCC
	112381	GTCATAGCAA	ATACAAAGAC	AATTATTAGC	GTAATATAAC	AGAATTTTT	ACGATGATAT
40	112441	ATTTTATGTT	GATATTTC	AATTGACGC	AAAAATTCA	CTGCCGTTTC	ATTTTCGCTA
	112501	TCACTATAAT	AAACACTTTT	AGCCGAACGG	CTCGGTTGTA	TGGCTGTTAT	CGTTGTATTA
	112561	TTTGGTTGCG	CTCGCGGGGT	TACCACCGCT	TCCATCAGTA	AGGCCACGGC	CTCACCCCTCC
	112621	ATGGTGTGTT	GTCCGGCCAT	AGAAATCCAG	ATTGTAAGGC	CAGCAGGCTA	GTTAAAAGT
	112681	GTTTAATACC	ACACCTTTG	ATATTTATAT	ACATGCAAGA	TTCTAGATTA	TTCATCAATA
45	112741	GGTCGTTAA	AGCGCGTTT	CATAAACGTT	GTCAGCTATA	CCGACATTCT	CACAAAGAGG
	112801	TAAAGTTACC	TTACGTTATT	ATTAATAAA	ACATGTAGAC	ATTATTAATA	ATCCTAGGAA
	112861	CAATCAAATC	CATATTGTA	AGTTATGTTT	AACCCCTCCC	CTTTTGTCA	TTATCTCCGC
	112921	CCTCTTATAA	TCGGATCACT	TTATAAGTGT	GTCGGTGAGT	ATATTTGTA	CAGTTGTTGG
	112981	ACAAACAGGTT	TTGGGTCAT	TAACACTATC	AACATAAGTC	GGGGTATACA	AGTATAATGA
50	113041	ACGACGTTGA	TGCAACAGAC	ACCTTTGTTG	GACAAGGAAA	GTTCCGTGGC	GCCATCTCAA
	113101	CATCACCGTC	ACATATTATG	CAAACATGTC	GGTTTATACA	ACAGATGTTT	CCAGTTGAAA
	113161	TGTCGCCCCGG	CATAGAAATCT	GAGGATGATC	CCAATTATGA	CGTTAACATG	GATATACAGT
	113221	CTTTTAATAT	ATTTGATGGT	GTACACGAA	CTGAAGCCGA	AGCCTCTGTG	GCATTGTGCG
	113281	CAGAAGCACG	CGTTGGAATT	AATAAAGCGG	GATTTGTAAT	ATTAAAAACG	TTTACACCAG
55	113341	GGGCGGAAGG	TTTGCGTTT	GGGTGTATGG	ACAGTAAAC	ATGTGAACAT	GTGGTCATTA
	113401	AAGCGGGTCA	ACGTCAAGGA	ACGGCCACCG	AGGCAACCGT	GTTAAGAGCG	TTAACCCACC
	113461	CATCCGTTGT	ACAGCTAAA	GGAACGTTTA	CGTATAACAA	AATGACATGT	CTTATATTAC
	113521	CACGTTACCG	AACAGATT	TACTGCTATC	TAGCTGCAA	GCGCAACCTC	CCCATATGTG
	113581	ACATTTAGC	AATTCAAGCGA	TCTGTATTAC	GCGCGTTACA	GTATCTTCAT	AATAACAGTA

	113641	TTATTCACCG	TGATATAAAA	TCTGAAAATA	TATTTATTAA	CCACCCAGGT	GATGTTTGTG
	113701	TGGGAGACTT	TGGAGCAGCG	TGTTTCCCCG	TGGATATTAA	TGCCAACAGG	TATTATGGCT
5	113761	GGGCTGGAAC	AATGCCACA	AACTCTCCTG	AGTTATTGGC	TAGAGATCCA	TATGGACCTG
	113821	CCGTGGACAT	ATGGAGTGCC	GGGATTGTAT	TATTTGAAAT	GGCTACAGGA	CAGAACTCGT
	113881	TATTTGAACG	AGACGGTTA	GATGGCAATT	GTGACAGTGA	GCGTCAAATT	AAACATTATTA
	113941	TACGACGATC	TGGAACTCAT	CCCAATGAAT	TTCCCATTAA	CCCTACATCA	AATCTCGTC
10	114001	GACAATACAT	TGGTTGGCA	AAACGGTCTT	CTCGAAAACC	CGGATCCAGG	CCATTGTGGA
	114061	CAAATCTATA	TGAGTTGCCA	ATTGATTGG	AGTATTGAT	ATGTAAGATG	TTATCGTTG
	114121	ACGCACGTCA	TCGACCACATCA	GCAGAGGTGT	TGCTTAACCA	CTCTGTTTC	CAAACCTTTC
15	114181	CCGATCCATA	TCCAAATCCA	ATGGAAGTTG	GAGATTAAAA	TTCATTAAGC	CTGTTAATAA
	114241	AATATTGTAT	AAATTGTGTT	TATAACGTAT	AAACCGTTAA	GGCAAATAGG	GTACAAACGC
	114301	GCAATGTTT	GAAATACTAA	TATAAATAAC	ATAACCAATA	GAAACTTAAT	ACAGAGTCAC
	114361	GCCCCATTAC	AACAAGGATA	AAACACGGGA	TCATTTCTT	ACATTGTA	TAGCGCTGAA
20	114421	AAGCGTCCCC	TCCCCCGGCT	CACAGAGCTG	CTCTTCGGTG	TAGTTGGGTA	TACTGGTGC
	114481	CCTCATTTAA	TCGCGATGTT	TTTAATCCAA	TGTTTGATAT	CGGCCGTTAT	ATTTTACATA
	114541	CAAGTGACCA	ACGCTTTGAT	CTTCAGGGC	GACCACGTGA	GCTTGCAAGT	TAACAGCAGT
	114601	CTCACGTCTA	TCCTTATTCC	CATGCAAAT	GATAATTATA	CAGAGATAAA	AGGACAGCTT
	114661	GTCTTTATTG	GAGAGCAACT	ACCTACCGGG	ACAAACTATA	GCGGAACACT	GGAACGTGTTA
25	114721	TACGGGATA	CGGTGGCGTT	TTGTTCCGG	TCAGTACAAG	TAATAAGATA	CGACGGATGT
	114781	CCCCGGATT	GAACGAGCGC	TTTTATTTCG	TGTAGGTACA	AACATTGCG	GCATTATGGT
	114841	AACTCAACGG	ATCGGATATC	AACAGAGCCG	GATGCTGGTG	TAATGTTGAA	AATTACCAA
	114901	CCGGGAATAA	ATGATGCTGG	TGTGTATGTA	CTTCTTGTTC	GGTTAGACCA	TAGCAGATCC
	114961	ACCGATGGTT	TCATTCTGG	TGTAATGTA	TATACAGCGG	GCTCGCATCA	CAACATTAC
30	115021	GGGGTTATCT	ACACTTCTCC	GTCTCTACAG	AATGGATATT	CTACAAGAGC	CCTTTTCAA
	115081	CAAGCTCGTT	TGTGTGATTT	ACCCGCGACA	CCCAAAGGGT	CCGGTACCTC	CCTGTTCAA
	115141	CATATGCTTG	ATCTTCGTG	CGGTAATCG	TTAGAGGATA	ACCCCTGGTT	ACATGAGGAC
	115201	GTTGTTACGA	CAGAAACTAA	GTCGTTGTT	AAGGAGGGGA	TAGAAAATCA	CGTATATCCA
	115261	ACGGATATGT	CCACGTTACC	CGAAAAGTCC	CTTAATGATC	CTCCAGAAA	TCTACTTATA
35	115321	ATTATTCTA	TAGTAGCGTC	TGTCATGATC	CTCACCGCCA	TGGTTATTGT	TATTGTAATA
	115381	AGCGTTAACG	GACGTAGAAT	AAAAAAACAT	CCAATTATC	GCCCAAATAC	AAAAACAAGA
	115441	AGGGGCATAC	AAAATCGCAC	ACCAGAATCC	GATGTGATGT	TGGAGGCCGC	CATTGCACAA
	115501	CTAGCAACGA	TTCGCGAAGA	ATCCCCCCCCA	CATTCCGTT	TAAACCCGTT	TGTTAAATAG
	115561	AACTAATTAT	CCCGGATTT	ATATTAAATA	AACTATATGC	GTTTTATTAA	GCGTTTTGAT
40	115621	TACGCGTTGT	GATATGAGGG	GAAGGATTAA	GAATCTCCTA	ACTATAAGTT	AACACGCCA
	115681	CATTGGGCG	GGGATGTTT	ATGAAGCCTT	AAAGGCCGAG	CTGGTATACA	CGAGAGCAGT
	115741	CCATGGTTTT	AGACCTCGGG	CGAATTGCGT	GGTTTTAAGT	GACTATATTC	CGAGGGTCGC
	115801	CTGTAATATG	GGGACAGTTA	ATAAACCTGT	GGTGGGGGTA	TTGATGGGGT	TCGGAATTAT
	115861	CACGGGAACG	TTGCGTATAA	CGAATCCGGT	CAGAGCATCC	GTCTTGCAT	ACGATGATTT
45	115921	TCACACCGAT	GAAGACAAAC	TGGATACAAA	CTCCGTATAT	GAGCCTTA	ACCATTACAGA
	115981	TCATGCGGAG	TCTTCATGGG	TAATCGGGG	AGAGTCTTCG	CGAAAAGCGT	ACGATCATAA
	116041	CTCACCTTAT	ATATGCCAC	GTAATGATTA	TGATGGATTT	TTAGAGAACG	CACACGAACA
	116101	CCATGGGTG	TATAATCAGG	GCCGTGGTAT	CGATAGCGGG	GAACGGTTAA	TGCAACCCAC
	116161	ACAAATGTCT	GCACAGGAGG	ATCTTGGGA	CGATACGGGC	ATCCACGTTA	TCCCTACGTT
50	116221	AAACGGCGAT	GACAGACATA	AAATTGTAAA	TGTGGACAA	CGTCAATACG	GTGACGTGTT
	116281	TAAAGGAGAT	CTTAATCCAA	AAACCCAAGG	CCAAAGACTC	ATTGAGGTGT	CAGTGGAAAGA
	116341	AAATCACCCG	TTTACTTTAC	GCGCACCGAT	TCAGGGATT	TATGGAGTCC	GGTACACCGA
	116401	GACTTGGAGC	TTTTTGCCTG	CATTAACCTG	TACGGGAGAC	GCAGCGCCCG	CCATCCAGCA
	116461	TATATGTTA	AAACATACAA	CATGTTTC	AGACGTGGT	GTGGATGTGG	ATTGCGCGGA
	116521	AAATACTAAA	GAGGATCAGT	TGGCCGAAAT	CAGTTACCGT	TTTCAAGGTA	AGAAGGAAGC
55	116581	GGACCAACCG	TGGATTGTTG	TAAACACGAG	CACACTGTTT	GATGAACTCG	AATTAGACCC
	116641	CCCCGAGATT	GAACCGGGTG	TCTTGAAGT	ACTTCGGACA	AAAAAAACAT	ACTTGGGTGT
	116701	GTACATTG	AACATGCGC	GCTCCGATGG	TACGTCCTACC	TACGCCACGT	TTTTGGTCAC
	116761	CTGGAAAGGG	GATGAAAAAA	CAAGAAACCC	TACGCCCGCA	GTAACCTCCTC	AACCAAGAGG
	116821	GGCTGAGTT	CATATGTGGA	ATTACCACTC	GCATGTATT	TCAGTTGGTG	ATACGTTAG
	116881	CTTGGCAATG	CATCTTCAGT	ATAAGATACA	TGAAGGCCA	TTTGATTTC	TGTTAGAGTG
	116941	GTTGTATGTC	CCCATCGATC	CTACATGTCA	ACCAATGCGG	TTATATTCTA	CGTGTGTTGTA
	117001	TCATCCCAAC	GCACCCCAAT	GCCTCTCTCA	TATGAATTCC	GGTTGTACAT	TTACCTCGCC
	117061	ACATTTAGCC	CAGCGTGTG	CAAGCACAGT	GTATCAAAT	TGTGAACATG	CAGATAACTA
	117121	CACCGCATAT	TGTCTGGAA	TATCTCATAT	GGAGCCTAGC	TTTGGTCTAA	TCTTACACGA

	117181	CGGGGGCACC	ACGTTAAAGT	TTGTAGATAC	ACCCGAGAGT	TTGTCGGGAT	TATACGTTTT
	117241	TGTGGTGTAT	TTAACGGGC	ATGTTGAAGC	CGTAGCATAC	ACTGTTGTAT	CCACAGTAGA
	117301	TCATTTGTAT	AACGCAATTG	AAGAGCGTGG	ATTTCGCCA	ACGGCCGGTC	AGCCACCGGC
5	117361	GACTACTAAA	CCCAAGGAAA	TTACCCCCGT	AAACCCCAGA	ACGTCACCAC	TTCTACGATA
	117421	TGCCGCATGG	ACCGGAGGGC	TTGCAGCAGT	AGTACTTTA	TGTCTCGTAA	TATTTTTAAT
	117481	CTGTACGGCT	AAACGAATGA	GGGTTAAAGC	CTATAGGGTA	GACAAGTCCC	CGTATAACCA
	117541	AAGCATGTAT	TACGCTGCC	TTCCAGTGGA	CGATTCGAG	GAETCGGAAT	CTACGGATAC
	117601	GGAAGAAGAG	TTGGTAACG	CGATTGGAGG	GAGTCACGGG	GGTCGAGTT	ACACGGTGT
10	117661	TATAGATAAG	ACCCGGTGT	CACCGAACCG	GGGCAACGCC	GAGCGTGTAA	ATTAAATAA
	117721	AAAACAGTAC	GCTTTTATCC	GGTGTATGTT	TTAAATTAT	TTTTTTTTC	TATATAAAGG
	117781	GATGGGGTGT	CAGGATCTCT	CGTAGGTTCT	TGGGACTCCA	AGGGGACCCGC	AGCCAGGTA
	117841	CGCGTCAAAA	AGCCTGTGAC	AAATTCCCCC	GGGGCGGTCA	TATAATTCCG	CGCGGATGCA
	117901	TTTATTATCG	GGCGACAATC	CAATAGTCGG	AAGTCCGGCG	TGTCCCAAAC	AGCACCAATA
15	117961	TGCCATCAAT	ATCAGCCGCT	CGCTGAGCTC	CAGATGCGAT	TGTGGATCCG	GCATGCATTG
	118021	CTCGCGTAAT	AACGATAACA	CCGCTCTGCG	GATCGCGGA	ACCGAGGGTG	GACGTTGTCT
	118081	ATCCGCTGCG	AGCTCCCCGC	ACATCCGTCC	GAAGGCGTCC	TTTGCCTCC	CCCACAAACT
	118141	CGCGCACGGT	CTCTCGGAGG	GGCTGTGTAT	AAAAGCCTCG	TAGGCCTCGG	TAGATATGGC
	118201	GCATAGCGCG	GCGGCGAAGT	ACCGTTCGGC	GTCGTTCATG	AGAGCCTGGT	GCGCGGGGGT
	118261	ATCGTGTGCGT	GTGCAGTAAA	GTCCGGCATA	TTCACCGCCC	GGGTGCTCAC	CGCGGGATCC
20	118321	GCAGAGATTC	ATACCACACG	GCCC GTGTGG	GGACCCCGTG	GGTTAATGGA	GACGTTCAAA
	118381	CCAGCACCCCT	CTACCCCTCA	ATATCCACAA	CACCCCACTC	CCCCACAGAC	AGACATCAAA
	118441	AAAAGACACG	AGCCAAACCA	TTGTATTAT	TTATAAAAGAC	TACACGCCAT	GGGGGGGGCGG
	118501	TATATCATGC	CGGCGCGGGG	CTTCGTGTCC	ACGTCGCTTC	CAATCTACAC	CCCCCTCGCC
	118561	CAACCGGGTG	AGCGCTTTCG	CGGCTGTATA	TTCCGGGTT	TCTGCACCCG	CGTATCGCTC
25	118621	GATGGCACGC	TGGGGTCTCT	TTGGGGACGG	GGTGTGCA	CCATCCCCGT	CTCGATAACA
	118681	ATCGCCGGGT	ACCCCGTCTG	GTTCACAAGA	ATCGGTGCTC	TCCTCTGATT	CTTCTTCCAC
	118741	TATAAAAGTCT	TCCCCGTCCG	ATGATTCCGC	GTCGGAATCC	CGAAATTCAA	TTACATCCGA
	118801	TGGCGTAGAC	CCATCATCGT	CGCTATCGTC	TTCACCAACCA	TCATCAGATA	CGTCACATTC
	118861	CAGTGCCTC	CTATGCAAAG	GAACATT CGG	CGCCTCAATG	AACCCGTCTT	CCCCCGAGG
30	118921	GGGTCGATGG	GACACTTCCA	TTAAAGTAGC	GCGTAAGCAC	TGCGTCTGGG	TGGGTTGAAG
	118981	CTGTAAACAT	TCCTCCCAGC	ACGCTAACGT	GGGACGCTGT	CTGGTGCAGC	CCATTAGATA
	119041	AAAGTCGAGG	CATATGCGCC	GCAATCTTCG	TGAATCTCGC	GTGACGCGTC	CCGACGACTG
	119101	TGCAATACAT	AAAAAAACAC	GGTTGATGTC	CTCAACGAGC	CTGGCCGGGT	GGATCTCCCA
	119161	ACCCGGAGTA	CAAAACGCGC	CGGGGGCCCCG	CGACGTATCC	CGGCCGTTCA	GGGGTCTCGG
35	119221	TGCAGATCCA	TATTCCATCT	TTCCGTTAAC	ATCAACCGAT	GCCCCGGGTT	TTGACTCGGA
	119281	CGAGTCGCCC	CGCGTAGCCG	GTGAGGTGCA	AAACATGTCC	TTGGGGCCGT	AGTAACCTTT
	119341	TCCCTTAAAAA	CCGACTCGAC	GCTGTCGCGT	TATGAATCGG	ACGAACCCCG	CACAACAAAA
	119401	CACACACCCA	AACGTTTACA	TCTATGAATA	AGGCTACTTG	GGTAAAATGG	CAATGGGGGA
	119461	TTCCGGGGCG	GGAGACCTTC	GATTGGGTTG	CCTTTATAAC	ACCAAAAAAA	GGGGGGGGCC
40	119521	CCGTGTGTTT	TTTTTTATCA	CGTCAAATCG	ATTTTAAAAA	GCCTGCCGCT	CCATTGGA
	119581	TATATATATT	CTGTGAAAAG	CCCGCCCA	CCCCATAAAA	CCGCGACATC	GCGGGAACAC
	119641	GCGCGAACAA	GAAACTCTCT	CTCTTTCTCT	ATATATATAT	ATATATATAT	ATATATATAT
	119701	AGAAAGAAAG	TGCGAACGGT	GGTTGGACAC	ATGCCAAAC	ATGAAAACCC	ATACAGTGA
	119761	AAAACGGGAA	GTGCGAATGC	AGATCAAAG	AGTGTATCCG	ATTGGCGTAC	ACCACAGACA
45	119821	TGCGGACGCC	CAATTAAACC	CCCCCCCTT	TTCACCCCCC	CACCCCAACCC	CATTCCACCC
	119881	CAGGAAGTGC	GAACGGGTTT	ACATGCCCTCA	GATATGAAGT	TCTTCGACTT	GTTTTGAA
	119941	AAATTTTTT	GTGATTTCT	ACAACGGTTT	AGAGAATTAT	GGTTATAAAC	ATCGGCGGGG
	120001	TACCGCGCCC	CCTCCCCATC	GGGGGGGTAC	CGCGCCCCCT	CCCCATCGGC	GGGGTACCGC
	120061	GCCCCCTCCC	CATCGGGGG	GTACCGCGCC	CCCTCCCCAT	CGGCGGGGTA	CGCGCCCCCC
50	120121	TCCCCATCGG	CGGGGGGTTA	CGTGAACACC	ACAACCCCGT	GTGTATTGTA	TGGGTTATCG
	120181	CGGGCTTCGT	GCCGCCTGAC	ATAATCGTTG	GGAGGGGTGG	TGGTGTATAC	GCTTGTGAT
	120241	TGCGCGAACG	TAATGACGAC	GGAGAGGGAC	CCAAACACAC	CGTCGACGTG	CATTGATTA
	120301	ACTAGATGCC	GGATGGGTGG	AAACAACCCG	TGTTATATAA	GATGTTTGC	ATGTGAGACA
	120361	ACCCCAATTG	TGTTTATGTA	TATTATATA	CGTCTGTAGA	CACACGATGA	TTGGTTGTTA
55	120421	TTTAAACATA	TGTAAATGAA	ATTCACATGT	CTGGTATCCC	TTGTTATGAT	GTTGTAAGGT
	120481	ATGCGGAAAT	AGACACCGGG	CGTACATCGC	CAACCAGCGG	TCTCTCCTTA	AACGCATACT
	120541	ATGGTCCATG	AACTTCCC	CTCGAGTCTC	GTCCAATCAC	TACATCGTCT	TATCATTAAG
	120601	AATATTAC	CGGTGACGAC	ACGGGGAGGA	AATATGCGGT	CGAGGGGGGG	GCACAAACACG
	120661	TTTTAAGTAC	TGTTGAACT	CCCTCACCAA	CCGCAATCGC	AATCCTTGA	AGGCTGCGAG

	120721	AGCGTTGGA	AAACTCGGGT	ACGTCTAACAT	TCACCCCAAGT	GCGATGGATA	CGCCGCCGAT
	120781	GCAGCGCTCT	ACACCCCAAC	GCGCGGGGTC	GCCTGATACT	TTGGAGTTAA	TGGACCTGTT
5	120841	GGACGCGGCC	GCGGCGGCCG	CCGAACACAG	GGCCGGGGTG	GTCACCTCGA	GTCAGCCTGA
	120901	CGATCTACTA	TTGGAGAGA	ACGGGGTCAT	GGTGGGACGG	GAACACGAGA	TCGTTCAAT
	120961	TCCCTCCGTA	TCGGGACTTC	AACCAGAAC	CAGAACGGAA	GATGTTGGCG	AAGAGCTAAC
	121021	ACAAGACGAC	TACGTATGCG	AGGACGGTCA	GGATCTAATG	GGCTCGCTG	TAATCCCGCT
10	121081	GGCCGAGGTC	TTCCACACCC	GATTCTCGGA	GGCCGGCGCG	CGAGAACCAA	CAGGAGCCGA
	121141	TCGCTCCCTT	GAGACAGTCT	CTCTCGGAAC	GAAGCTTGCT	AGGTCTCCAA	AACCACCGAT
	121201	GAACGATGGG	GAAACGGGCA	GAGGTACGAC	CCCTCCGTT	CCGCAGGCCT	TCTCCCTGT
	121261	ATCCCCCGCG	TCTCCTGTTG	GAGACGCCG	CGGGAACGAT	CAACGGGAAG	ACCAGCGGTC
15	121321	TATAACCCGA	CAAACGACGA	GAGGAATTG	ACCAGGTTTG	CGTCCGGTGG	TCCATCGAGA
	121381	CAGACAAACT	CAGTCCATCT	CGGGTAAAAA	GCCGGCGAT	GAGCAAGCGG	GTCATGCGCA
	121441	TGCATCGGGG	GACGGAGTAG	TTCTCCAGAA	AACTCAACGG	CCCGCTCAGG	GAAAGAGCCC
	121501	GAAGAAAAAG	ACTTTGAAGG	TTAAGGTCCC	ACTCCCGGCG	CGGAAACCCG	GTGGACCTGT
20	121561	ACCCGGCCCG	GTTGAGCAAT	TGTACCACGT	CCTTTCGGAC	AGCGTTCCCG	CTAAGGGGGC
	121621	AAAGGC GGAC	CTGCCGTTG	AGACCGATGA	TACCCGCCCA	AGGAAACATG	ATGCCCGGGG
	121681	TATAACACCT	CGCGTCCCTG	GACGTTCGTC	GGGGGGCAAA	CCTAGAGCGT	TTTGGCCCT
	121741	GCCGGGAAGA	TCCCACGCAC	CAGACCCGAT	TGAGGATGAC	AGCCCAGTGG	AGAAAAGGCC
	121801	AAAGAGTCGT	GAGTTGTTT	CGTCTTCATC	CTCTTCTCG	TCGTGGGAT	CGTCATCGGA
25	121861	GGATGAAGAC	GATGAACCCC	GGCGCGTTTC	GGTGGGAAGT	GAAACTACAG	GCAGCAGGTC
	121921	CGGACCGGAA	CACGCCCTT	CCCCGTCAAA	TTCGGATGAT	TCGGACTCAA	ATGATGGTGG
	121981	GTCGACGAAA	CAAATATCC	AACCGGGATA	TCGATCCATC	AGCGGTCCCG	ATCCGAGGAT
	122041	TCGTAAGACC	AAACGTCTT	GGGGGGAAAC	GGGGCGCCAG	AGACAGAAAT	CATTTCCTC
	122101	GCCGCGATCC	AGAACCCGA	TAATTCCCCC	GGTGTGGGG	CCGCTCATGA	TGCCCAGCGG
30	122161	AAGCCCTTGG	CCCGGATCGG	CACCCCTCCC	ATCCAACAGG	GTGCGGTTTG	GACCGTCCGG
	122221	GGAGACCAAGA	GAGGGTOACT	GGGAGGATGA	GGCTGTGAGA	CGGGCGCGGG	CTCGTTACGA
	122281	GGCCTCAACG	GAACCCGTGC	CGCTTTACGT	GCCGGAGTTG	GGAGATCCGG	CTAGACAGTA
	122341	CCGCGCGCTG	ATTAACCTGA	TCTACTGTCC	AGACAGAGAC	CCTATAGCAT	GGCTCCAGAA
	122401	CCCCAAGCTG	ACCGGTGTCA	ACTCGGCCCT	GAACCAGTTC	TACCAAAAGC	TGTTGCCACC
35	122461	GGGACGGGCG	GGTACCGCCG	TTACGGGGAG	CGTAGCGTCT	CCCGTTCCCG	ATGTAGGCGA
	122521	AGCCATGGCC	ACGGGGGAGG	CCCTCTGGGC	TCTCCCCCAC	CGGGCGCGGG	CCGTGGCTAT
	122581	GAGCCGTGCA	TACGACCGGG	CCCAAAACAA	CTTTATCCTA	CAGAGTCTCC	GCAGAGCCTT
	122641	TGCCAGCATG	GCATACCCCG	AGGCAACGGG	CTCCAGTCCG	CGGGCGCGGA	TCTCCCGCGG
	122701	TCACCCCTCT	CCAACAAACCC	CGGCCACACA	GGCTCCCGAC	CCTCAGCCGT	CGGCCGCGCG
40	122761	ACGCTCTCTT	TCTGTGTGTC	CACCGGATGA	TCGTTTACGA	ACTCCGCGCA	AGCGCAAGTC
	122821	CCAGCCAGTC	GAGAGCAGAA	GCCTCCTCGA	CAAGATTAGG	GAGACACCCG	TCGCGGACGC
	122881	CCGGGTTGCA	GACGATCATG	TGGTTTCCAA	GGCCAAGAGG	CGGGTATCCG	AGCCC GTGAC
	122941	CATCACCTCG	GGCCCTGTGG	TGGATCCCCC	CGCCGTAATA	ACGATGCCAC	TTGACGGACC
	123001	GGCCCCAAAC	GGGGGATTTC	GGCGTATTCC	CGGGGGGGCC	CTGCATACCC	CGGTCCCGTC
45	123061	GGACCAAGGCT	CGCAAGGCGT	ACTGTACCCC	CGAAACCATC	GCCCCGTCTGG	TCGACGACCC
	123121	ATTGTTTCCC	ACGGCCTGGC	GCCCTCGCCT	AAGCTTGTAT	CCCGGCGCCT	TGGCGGAAAT
	123181	CGCCGCTCGG	CGTCGGGGCG	GAGGAGACCG	ACGGTTTGGT	CCACCCAGCG	GAGTGGAGGC
	123241	GCTGCGACGG	AGGTGCGCCT	GGATGCGGCA	GATCCCAGAC	CCGGAGGATG	TGAGGTTCT
	123301	GATCATCTAC	GATCCGTGTC	CCGGAGAGGA	CATCAACGGC	CCCCCTCGAGA	GCACCCCTCGC
50	123361	GACAGATCCG	GGACCGTCAT	GGAGTCCATC	CCGAGGGGGA	CTGTCTGTGG	TCCTGGCAGC
	123421	CCTGAGTAAC	CGGTTGTGCC	TGCCGAGCAC	TCATGCTGG	GCCGGGAACCT	GGACCGGCC
	123481	GCCGGACGTG	TCCGCTTGA	ACGCCCCGGGG	CGTTTTATTA	CTGTCGACCC	GAGACCTGGC
	123541	CTTGGCCGGG	GCCGTCGAGT	ATCTAGGCTC	CGGGTTGGCC	TCTGCCCGGC	GCCGGTTGCT
	123601	GGTGTGTTGAC	GCGGTGGCCC	TCGAGAGGTG	GCCCAGGGAT	GGACCCGCTT	TGTCTCAGTA
55	123661	TCACGGTGTAC	GTCCGGGGCC	CGGCGCGACC	GGACGCCAG	GCGTCGCGCA	CCTTTGGGCC
	123721	CTCGGGCGTC	ACAGAAGGAC	TCGCCCCGGGC	CGTGTGTTGCA	TCGTCGCGCA	CCTTTGGGCC
	123781	AGCGAGTTT	GCTCGTATCG	AGACTGCGTT	TGCCAACCTG	TACCCGGGGCG	AACAAACCCCT
	123841	GTGTTTGTGC	CGCGGTGGGA	ACGTCGCATA	CACCGTGTGT	ACCCCGCGCGG	GCCCCAAGAC
	123901	CCGCGTCCCC	CTGTCGCCCC	GTGAATACCG	GCAGTACGTG	CTGCCGGGTT	TTGACGGTTG
	123961	CAAGGACCTC	GCGCGACAGT	CTCGGGGTCT	GGGGCTCGGG	GCAGCCGACT	TTGTGGACGA
	124021	GGCGGCACAT	AGCCACCGCG	CAGCAAACCG	ATGGGGCCTG	GTTGCCGCGG	TTCGACCCGT
	124081	CTTCCCTTCCC	GAGGGACGGA	GACCGGGGGC	CGCCGGGCG	GAGGCCGGCG	ACGTACCCAC
	124141	CTGGGGCGAGG	GTGTTTGTGC	GCCACGCCCT	GCTGGAACCC	GACCCCTGCCG	CAGAACCACT
	124201	CGTGCTTCCA	CCCGTGGCCG	GTGGTGTGCGT	GGCGCTGTAT	GCGTCGGCGG	ACGAGGCTCG

124261 GAATGCCCTC CCCCCGATTC CCAGAGTAAT GTGGCCGCC CGTGGGGGGG CCGCGGAGAC  
124321 GGTGTTGGAG GGGAGCGACG GAAACAGGTT CGTGTTCGGA CACCACGGGG GCTCGGAACG  
124381 GCCGTCAGAA ACCCAGGGCGG GGCGACAGCG GCGCACCGCA GACGACAGAG AACACGCTTT  
124441 GGAGCTGGAC GATTGGGAGG TGGGGTGTGA AGACCGGTGG GACAGCGAGG AGGGGGGC  
5 124501 GGACGACGGG GACGCACCGG GGTCACTCCTT TGGGGTGAGC ATCGTGTCTGG TGGCCCCGGG  
124561 TGTGCTGCGA GACCGCCGGG TGGGTTTGCG CCCGGCGGTC AAGGTGGAGC TGTTGTCTC  
124621 GTCCTCGTCC TCCGAGGACG AGGACGATGT GTGGGGAGGG CGCGGGGGGA GGAGCCCCC  
124681 GCAGAGTCGG GGGTGACGGA GTCCCCCTCCT TTTCTCGTGA GCGCCACTGG CGCGCGGACT  
124741 GTTTGTTGTT AATAAAAGCG GAACGGTTTT TATGAAAAAA GTGTCTGTCT GTCTGTGC  
10 124801 GCGGGCGACG GGCGGGCTGG TCGGACCCCC CCCCGAAAAT AACCCCCCCC CGGTTTCTGG  
124861 GCGCCCGGCG GACCCCCGGGA GAGG